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CATALOG #20



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CATALOG # 20 - JULY 1997

JAMES AND FELICIA KREUZER, PROPRIETORS

Well, the kids are out of school and the vacations are out of the way, so I guess its time for the next catalog. There was a great response to the new payment plan (Credit Cards), so don't forget that we take Visa & Master Cards.

We now have a permanent E-Mail address: wireless@pce.net

I would not suggest using it to place your orders, as I'm very busy when the catalog comes out and I can't guarantee when I will have time to read all the mail. Some days I can't answer all the mail, so if you don't get a response, call on the landline.

Now, finally; Joe Knight has finished his bibliography!! The complete title is: "A Bibliography of Known Wireless Books". It is a listing of 338 Pre- 1921 books on the subjects of Radio and Wireless Telegraphy. We have been working on this for about 10 years and after contacting many collectors, accessing many libraries and cross-checking many bibliographies, it's done!! If you would like a copy, just send a Large SASE with 2 stamps & \$2.00 and we'll send it off to you! I recommend this as a very handy checklist to keep track of the wireless books in your collection. Also, starting with this catalog, I've numbered each of the wireless books to correspond with the bibliography! Enjoy!

I will be at the Elgin, Il. Radio meet Aug 5 - 8th so if you want me to deliver your order there, let me know & I'll bring it!

TERMS OF SALE

1. Shipping \$1.00 per book on orders under \$25.00;
orders over \$25.00 are shipped free, except as noted.
2. All payments are to be in U.S. funds. English customers may forward payment to Len Kelly, 6 Redlands, Blundells Road, Tiverton, Devon EX16 4DH, His phone # is 1884 256170, He always carries a nice selection of books on broadcasting!
3. Overseas customers must pay shipping costs- \$ 3.00 PER BOOK
4. Books are guaranteed and may be returned for any reason within 7 days of receipt.
5. There is a 10% deduction for orders of 5 or more books,
\$5.00 BOOKS ARE EXCLUDED FROM THIS DISCOUNT!
6. New York residents please add 8% sales tax.
7. Institutions billed.
8. Reserving items by phone or fax is highly recommended,
Call 8AM - 12 Midnight EST
9. You may fax your order, and we will confirm the books in stock by return fax as soon as possible.

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AMATEUR BOOKS

1. (PERIODICAL); CQ Magazine 1946 - 1949 . 1st edition, 1946. A very nice run of CQ- "The Radio Amateur's Journal", from February, 1946 to December, 1949; a total of 46 issues, with only December, 1947 missing. They are designated as Volume 2 # 2 - Volume 5 # 12. These are loose issues with all covers and only minimal wear. They contain many great articles on surplus gear, vacuum tubes, homebrewing & ads! 3220 pages. Very Good condition. Scarce. Softcover. \$95.00
2. (PERIODICAL) RADIO NEWS; Special U.S. Army Signal Corps Issue . 1st edition, 1942. This is the November, 1942 issue of Radio News, a special issue dedicated to every facet of the Signal Corps, including it's history, training, development, procedures, development, as well as heroes. Pictured are hundreds of photos of WWII equipment, battlefield and maneuvers. 282 pages. Good + condition. Scarce. Softcover. \$25.00
3. (PERIODICAL) RADIO NEWS; Special 1944 U.S. Army Signal Corps Issue . 1st edition, 1944. This is the February, 1944 issue of Radio News, a special issue dedicated to every facet of the Signal Corps, including it's history, training procedures, development, procurement, as well as heroes. Pictured are hundreds of photos of WWII equipment and captured enemy apparatus well as the "McElroy Chart of Codes and Signals". 451 pages. Very Good condition. Scarce. Softcover. \$25.00
4. (STOCK CERTIFICATE); Collins Radio Company . 1st edition, 1969. A beautifully engraved stock certificate issued by Collins Radio Co. for 100 shares from 1969 to 1972. It measures 8" x 12" & is very suitable for framing. It has a vignette of a Greek God holding a staff & sitting between two hemispheres of the earth. A nice item to frame and hang in your shack! We only have a few of these, so order early! Fine condition. Scarce. \$15.00
5. (TRADE CATALOG); World Radio Laboratories . 1st edition, 1969. A very nice copy of one of the leading amateur radio suppliers of the 1960's. Designated as catalog # 28, the big names are here, including Collins, Hallicrafters, Hammarlund, National, Drake, Swan and Galaxy. From transmitters and receivers to Vibroplexes and final output tubes, they're all covered! 91 pages. Very Good condition. Uncommon. Softcover. \$20.00
6. (TRADE CATALOG); Pilot Radio Co. . 1st edition, 1929. In two separate pieces, the first is catalog # 30 which contains 16 pages which includes Pilot "Super Wasp" kits as well as the power supplies and parts needed to construct them. The second item is data sheet No. 7, dedicated to the "Super Wasp" battery model K-110 and contains 12 pages. 28 pages. Very Good condition. Scarce. Softcover. \$20.00
7. ARRL; Radio Amateur's Handbook - 1929 Hardcover!! . 6th edition, 1929. An early edition of the Radio Amateurs Handbook, rarely seen in any condition. It contains a wealth of information for the amateur, including construction details on transmitters, receivers, and antennas, as well as the fundamentals for getting started. This is the earliest hardcover edition I've seen! Includes 39 pages of adverts. 201 pages. Very Good condition. Scarce. \$125.00

Amateur Books

8. ARRL; Radio Amateur's Handbook . 11th edition, 1934. An early edition of the Radio Amateurs Handbook, seldom seen in this condition. It contains a wealth of information for the amateur, including construction details on transmitters, receivers, and antennas, as well as the fundamentals for getting started. The owner's name is printed in small letters on the front cover. 238 pages. Very Good condition. Scarce. Softcover. \$55.00

9. BASS, SYDNEY AND COSMAN, HERMAN; General Shortwave And Public Address Manual . 1st edition, 1934. This is an early work on short wave reception, and shows construction data for many types of transmitters, converters, tuners and receivers. Also included is coil design, an early list of short wave stations and tuning instructions. 192 pages. Very Good condition. Uncommon. Softcover. \$20.00

10. BROWN, ROBERT G., SHARPE, ROBERT A. AND OTHERS; Lines, Waves, and Antennas- The Transmission of Electric Energy . 2nd edition, 1973. This text presents the theory and application of electric wave propagation in a concise and practical manner, utilizing a variety of diagrams and illustrations. Some highlighting is noted in the first four chapters, otherwise the condition of this copy is near fine. 471 pages. 342 illus. Fine condition. Uncommon. \$20.00

11. DEPARTMENT OF COMMERCE; Commercial and Government Radio Stations of the United States - 1921 . 1st edition, 1921. This government publication contains land and ship stations which show the call letters, wave length, and owner of the station. The spine is worn and there is a small chip out of the front cover. 102 pages. Good + condition. Scarce. Softcover. \$15.00

12. DEPARTMENT OF COMMERCE; Amateur Radio Stations of the United States . 1st edition, 1921. This book contains a list of all amateur radio stations, listed by both the call sign as well as the owner's name. Information includes the address of the wireless station as well as the output power. This is an excellent source of reference for early amateur radio stations. The spine and bottom of the cover is chipped. 203 pages. Good + condition. Scarce. Softcover. \$35.00

13. EVENSON, R.C. AND BEACH, O.R.; Surplus Radio Conversion Manual, Vol.2 . 1st edition, 1948. This generously illustrated volume is dearly sought by hams who love using old army surplus gear. Surplus gear covered are as follows: ARC-5 "Command" series (both receivers and transmitters), BC-375, and the ever popular type LM Frequency Meter. 124 pages. Very Good condition. Uncommon. Softcover. \$25.00

14. GAGER, F. MALCOLM AND OTHERS; Radio Transmitters . 2nd edition, 1943. Published by ITC, this is a 2- Volume set which is divided into 5 parts; Fundamental Transmitter Circuits; Radio-Telegraph Transmitters; Radio-Telephone Transmitters; Broadcast Transmitters; and Radiomarine Installations. All areas of transmitters are covered, including amateur, broadcast and commercial types 278 pages. 154 illus. Very Good condition. Scarce. \$30.00

Amateur Books

15. GRAY, LAURENCE AND GRAHAM, RICHARD; **Radio Transmitters** . 1st edition, 1961. This book contains a wealth of technical information on the operation and maintenance of radio transmitters. It presents a practical analysis of transmitter operation in all its various phases. Circuits, components and the design & testing of transmitters are covered in detail. In perfect condition with a beautiful dust jacket. 462 pages. Fine condition. Scarce. \$55.00
16. GRAYSON, KENNETH B.; **Surplus Schematics Handbook** . 1st edition, 1960. This generously illustrated volume is dearly sought by hams who love using old army surplus gear. Published by CQ magazine, some of the many receivers and transmitters covered include the ARC series, BC-348, BC-375, BC-611, RAK, RA1, RAX, RBH, SCR-274, SCR-522, TBS, TBY, VRC, etc. etc. 112 pages. Very Good condition. Uncommon. Softcover. \$35.00
17. HOWARD W. SAMS; **Post War Communications Receiver Manual** . 2nd edition, 1948. This is manual Type CRI which includes aircraft and marine radios. This seldom seen book covers all the popular models produced from 1945 -1948 by Hammarlund, Hallicrafters, Gonset, National, Harvey Wells, Heath & many smaller companies. Shown are schematics, alignment procedures, voltage & resistance charts, etc.. 270 pages. Very Good condition. Scarce. Softcover. \$45.00
18. JAMES, W.; **Wireless Valve Transmitters** . 1st edition, 1925. This rare volume covers the design and operation of transmitting apparatus. Containing many illustrations, it encompasses both CW and wireless telephony. One of the first books written on the subject. 271 pages. 210 illus. Very Good condition. Scarce. \$55.00
19. JASIK, HENRY; **Antenna Engineering Handbook** . 1st edition, 1961. Edited by Jasik, this book has no less than 39 renowned contributors, all specialists in the field of antennas, from long wire to complicated arrays. Containing over 1000 illustrations and line drawings; it is one of the most complete treatises on antenna theory and application. 987 pages. Fine condition. Scarce. \$85.00
20. JONES, FRANK C.; **The Radio Handbook** . 2nd edition, 1936. Published by Radio Ltd., of Los Angeles, this handbook is the west coast equivalent of the ARRL radio amateur's handbook. Many methods of antenna construction are shown, as well as transmitter and receiver circuits. Hundreds of photos and illustrations & numerous advertisements accent the text. The cover is worn along the extremeties 360 pages. Good condition. Uncommon. \$25.00
21. JONES, FRANK C.; **"Radio" Telephony Handbook** . 1st edition, 1938. A complete and concise work on radiotelephony, giving full details for theory and applications in the field of amateur radio. Contains an abundance of information on building your own transmitters, receivers, linear amplifiers and test equipment for voice communication. Includes many nice illus. ads at the rear of the book. 128 pages. 100 illus. Very Good condition. Scarce. Softcover. \$30.00

Amateur Books

22. JONES, FRANK C.; *The Radio Handbook* . 4th edition, 1938.
Published by Radio Ltd., of Los Angeles, this handbook is the West Coast equivalent of the ARRL radio amateur's handbook. Many methods antenna construction are shown, as well as transmitter and receiver circuits. Hundreds of photos and illustrations & numerous advertisements accent the text. 512 pages. Very Good condition. Uncommon. Softcover. \$35.00

23. JONES, FRANK C.; *Amateur Radiotelephony* . 1st edition, 1937. A complete and concise work on radiotelephony, giving full details on the theory and applications in the field of amateur radio. An abundance of information is shown on building your own transmitters, receivers, linear amplifiers & test equipment for voice communication. Many nice ads are at the rear, but the cover & some pages are stained. 128 pages. 100 illus. Good condition. Scarce. Softcover. \$35.00

24. JORDAN, EDWARD C., AND BALMAIN, KEITH G.; *Electromagnetic Waves and Radiating Systems* . 1st edition, 1950. This book covers the fundamentals of antennas with their applications using Maxwell's theories. The more recent significant advances in the field are discussed, and equations & diagrams are inserted where necessary. A fine reference for the serious engineer, each chapter contains its own bibliography. 710 pages. 423 illus. Good + condition. Uncommon. \$20.00

25. KRAUS, JOHN; *Antennas* . 1st edition, 1950. This widely sought after volume covers the theory of antennas, emphasizing their engineering applications. An excellent reference for the practicing engineer, scientist or amateur radio operator. 553 pages. 520 illus. Very Good condition. Scarce. \$75.00

26. LEUTZ, C. R.; *Short Waves* . 1st edition, 1930. This is the first full length book devoted solely to high frequency technology. Profusely illustrated with many photos of short wave apparatus, there are even chapters devoted to Television and Aircraft radio. A very desirable book. 384 pages. 185 illus. Very Good condition. Scarce. \$55.00

27. MAXIM, HIRAM PERCY; *A Genius In The Family* . 2nd edition, 1936. Written by the founder of the ARRL, an intimate picture of his father's family life. His accomplishments include being the "back inventor" of the electric light, though he lost the patent fight with Thomas Edison in a court battle. He also invented the Maxim machine gun and other technological equipment. 193 pages. Very Good condition. Scarce. \$30.00

28. MILLEN, JAMES; *Notes On Amateur Transmitter Design* . 1st edition, 1938. A fascinating collection of ideas and handy data for the amateur planning to upgrade or change his station equipment. Construction details for many circuits are shown, as well as many photos of vintage National equipment, their specs and schematics. A nice 20 page catalog of National Equipment is included at the rear. 118 pages. Good + condition. Scarce. Softcover. \$35.00

Amateur Books

29. **MILLEN, JAMES AND KRUSE, ROBERT S.; Below Ten Meters: The Manual of Ultra-Short-Wave Radio** . 1st edition, 1932. One of the first manuals on Ultra-Short-Wave radio' it is profusely illustrated with many photos of early experiments, as well as details on the history and commercial applications of this part of the frequency spectrum. A chapter on the cathode-ray television at 5 meters, complete with photos proves very interesting! 68 pages. 55 photos. 67 illus. Very Good condition. Rare. Softcover. \$45.00

30. **PANNETT, W.E.; Radio Installations; Their Design and Maintenance** . 1st edition, 1951. This book deals with the principles of design, construction and maintenance of modern transmitting and receiving installations, from the point of view of the practicing engineer. Station planning, and testing is also explored indepth. This copy was signed by the author, but has been marked out. 454 pages. 143 illus. Very Good condition. Scarce. Dust Jacket. \$25.00

31. **RADDALL, THOMAS H.; The Nymph and The Lamp** . Unknown edition, 1950. A well known story of the adventures of a wireless operator at sea. 345 pages. Very Good condition. Uncommon. \$15.00

32. **SMITH, WOODROW W.; The Antenna Manual** . 2nd edition, 1938. Written by the former editor of "Radio", this Manual provides a detailed discussion of the antenna and its associated feeder equipment for amateurs and others using the high frequencies. Containing many photos and illustrations, it aids one in increasing efficiency for better transmitting and receiving antennas. 112 pages. Good + condition. Uncommon. Softcover. \$25.00

33. **STUTZMAN, WARREN L., AND THIELE, GARY A.; Antenna Theory and Design** . 1st edition, 1981. This book stresses the fundamental principles of antenna theory with an emphasis on Maxwell's equations, providing applications in designs and techniques. The operation of many basic types of antenna systems is thoroughly explained, accompanied by their mathematical relationships. In print at \$ 64.00. 598 pages. Fine condition. Uncommon. \$40.00

34. **THE EDITORS OF "RADIO"; The Radio Handbook** . 9th edition, 1942. This handbook, published annually, contains many fantastic articles on antennas, transmitters, recievers, and other home brew goodies. A complete tube characteristics guide and theory course is included. The perfect book for the home brew enthusiast, the spine is somewhat faded. 640 pages. Very Good condition. Common. \$25.00

35. **THE EDITORS OF "RADIO"; The Radio Handbook** . 12th edition, 1949. This handbook, published annually, contains many fantastic articles on antennas, transmitters, recievers, and other home brew goodies. A complete tube characteristics guide and theory course is included. The perfect book for the home brew enthusiast. 320 pages. Very Good condition. Common. \$20.00

BROADCASTING 1920-30

36. (LEDGER); "Radio Ledger" . 1st edition, 1925. This is a 6 1/2" x 10" oblong ledger whose leather-like covers have the name "Radio Ledger" along with lightning bolts embossed on the front cover. There are about 50 pages in the front, plus an A to Z addressbook at the rear. Some wear is evident along the edges, a very unusual item! Just the right thing to keep track of your purchases! 50 pages. Good + condition. Scarce. \$25.00

37. (PERIODICAL); Experimental Wireless . 1st edition, 1923. This is a complete run of the first 8 volumes (October 1923 - December 1931) of a scarce magazine published in England. The subtitle is "A Journal of Radio Research and Progress". This set is bound in both the original publisher's decorated bindings and in library bindings, from Lehigh University Library. The covers are faded and somewhat worn 5600 pages. Good condition. Rare. \$390.00

38. (PERIODICAL) HERTZBERG, ROBERT- EDITOR; Radio Design Magazine . 1st edition, 1929. A nice collection of magazines that run from 1929 to 1931 and concentrate on the "Homebrewing" side of short wave & amateur radio operation. Starting with Volume 2 # 1, there is a total of 6 issues which contain articles ranging from the Pilot "Super Wasp" to the introduction of the new RCA Type 222 vacuum tube. 485 pages. Good + condition. Scarce. Softcover. \$45.00

39. (TRADE CATALOG); General Radio Co. Bulletin 923 . 1st edition, 1925. A nice GR catalog from the mid 20's showing their line of parts and amplifiers. It is in great condition with very little wear. 31 pages. Very Good condition. Scarce. Softcover. \$25.00

40. BRITISH BROADCASTING CORPORATION; The BBC Handbook For 1928 . 1st edition, 1928. This first edition, which became a yearly publication was the bible for the broadcast enthusiast in Great Britain. It is filled with fine articles of social and technical matters of the day, and numerous illustrations. Contains many ads for early radios and apparatus. 384 pages. Very Good condition. Scarce. \$35.00

41. CAMM, F.J.; Fifty Tested Wireless Circuits . 1st edition, 1929. This collection includes circuits for battery and AC-operated receivers, crystal sets, and amplifiers. Contains instructions for building a scanning disc television receiver, calibrating a receiver, and aerial and earth systems. 144 pages. 99 illus. Good + condition. Uncommon. \$20.00

42. COLLINS, A. FREDERICK; The Radio Amateur's Handbook . 7th edition, 1933. An excellent reference work which details the theory and construction of wireless apparatus. All of the various receiving and transmitting circuits are explained, including many illustrations. This edition covers both mechanical and cathode ray television receivers, as well as UHF. The rear cover is slightly creased. Not the ARRL Handbook!! 419 pages. 20 photos. 107 illus. Good + condition. Uncommon. \$25.00

Broadcasting 1920-30

43. COURSEY, P.R.; *The Radio Experimenter's Handbook*. 1st edition, 1922. A book written with the serious experimenter in mind. Topics included are the aerial circuit, transmitter, receiver (tuner & detector), and amplifier. The Mark III crystal set is pictured and its circuit explored in detail. Only 10,000 copies were printed, so this is a very scarce title! The spine is worn along the bottom 2". 113 pages. 99 illus. Good + condition. Rare. \$55.00

44. ECKERSLEY, P.P.; *The Service Area Of Broadcasting stations*. 1st edition, 1929. A rarely seen volume published by the BBC, whose main purpose was to give engineers occupied in designing national or regional schemes of broadcasting, certain relevant information in a compact form. It is used to know, in general, what service can be expected over a given area, in terms of power, wavelength, aerial design, etc.. 23 pages. 14 illus. Very Good condition. Rare. \$40.00

45. FLEMING, JOHN AMBROSE; *Electrons, Electric Waves and Wireless Telephony*. 1st edition, 1923. An excellent book written with the general reader in mind, bringing into focus the history and principles upon which wireless was developed. The spine has been nicely replaced. 326 pages. 112 illus. Good + condition. Rare. \$50.00

46. FROST, CAPT. JACK; *The Wireless Manual*. 1st edition, 1928. An unusual book, the first time we've seen a copy! It describes not only the theory and operation of radio receivers, but also covers many particular receivers, including the Marconiphone, Ericsson, Met-Vick, McMichael, Ethophone, Igranic and Gecophone. Valves are dealt with in- depth, as well as hornspeakers. 220 pages. 101 illus. Good + condition. Rare. \$45.00

47. HAAN, ENNO R.; *Radio Trouble-Shooting*. 2nd edition, 1929. Probably the first full-length book written on the subject. This work contains all the information needed to fix any radio receiver at the time. Devoted mainly to battery sets, this edition contains a chapter describing the early A.C. sets. 361 pages. 281 illus. Very Good condition. Uncommon. \$40.00

48. INTERNATIONAL CORRESPONDENCE SCHOOLS; *Radio Handbook*. 1st edition, 1924. A handbook of reference for those interested in the radio art. All phases of radio are covered in this small book, which is written for the layman. Contains many diagrams and illustrations. 514 pages. 220 illus. Very Good condition. Common. \$15.00

49. LESCARBOURA, AUSTIN C.; *Radio for Everybody*. 1st edition, 1922. A profusely illustrated book published at the height of the radio craze. Hundreds of photos depicting early radio receivers are shown, along with excellent construction details for crystal and one-tube sets. The author was managing editor for Scientific American magazine. 334 pages. Very Good condition. Common. \$20.00

50. LONG, S. H.; *Navigational Wireless*. 1st edition, 1927. One of the first books devoted to the subject of Radio Direction Finding, it covers the principle and practical application. The apparatus is thoroughly discussed, along with many illustrations. 164 pages. 162 illus. Good + condition. Uncommon. \$25.00

Broadcasting 1920-30

51. LOOMIS, MARY TEXANNA; **Radio Theory and Operating** . 5th edition, 1930. This highly desirable volume contains everything from basic theory to completed transmitters and receivers. Profusely illustrated with many photos of early radios and wireless gear, it also includes an interesting chapter on early television, even showing a cathode-ray tube! 1006 pages. 803 illus. Very Good condition. Uncommon. \$45.00

52. MCGRAW-HILL CO.; **The Radio Trade Catalog** . 1st edition, 1926. This seldom seen directory, for August, 1926 is Volume II, # 3. It lists the names and addresses of American manufacturers of everything used in construction, maintenance and operation of radio apparatus, both transmitting and receiving. Includes many neat advertisements. Though the cover is somewhat soiled, it includes a nice cover letter. 238 pages. Good + condition. Scarce. \$60.00

53. MORECROFT, J.H.; **Principles of Radio Communication** . 2nd edition, 1927. This excellent book outlines all areas of radio communication, from the fundamental ideas and laws to spark telegraphy and radio telephony. Also covered are vacuum tubes, antennas, amplifiers, and wavemeters. 1001 pages. 26 photos. 680 illus. Very Good condition. Uncommon. \$20.00

54. PARR, G.; **Principles And Practice Of Wireless Transmission** . 1st edition, 1923. This book explains, in a non- mathematical way, the theory of both spark and CW transmitters. Thermionic valves as well as wireless telephony are included. 163 pages. 21 illus. Very Good condition. Scarce. \$20.00

55. RCA VICTOR COMPANY; **RCA Service Notes 1923 - 1928** . 1st edition, 1929. The Rare UN-ABRIDGED edition that includes all of RCA's seldom seen early sets and their specs, schematic diagrams, battery hook ups, etc. Some of the sets covered include the Radiola AR, RT, RC, RS, AC, AR-1300, AA-1400, AA-1520, Radiola II, III, IIIA, IV, V, VI, VII, VIIB VIII, IX, X, & Radiola Grand. The spine & cover are somewhat stained. 350 pages. Good + condition. Very Rare. \$140.00

56. REYNER, J.H.; **Modern Radio Communication** . 2nd edition, 1925. The object of this book was to explain the theory of radio communication and to indicate how such theory is applied in practice. All branches of radio communication are covered, including direction finding and high-speed telegraphy. 220 pages. 119 illus. Very Good condition. Scarce. \$30.00

57. RIDER, JOHN F.; **Trouble Shooter's Manual** . 1st edition, 1929. I believe this manual to be the first collection of schematic diagrams published by Rider. 1" thick, though 106 pages are schematics, the remainder troubleshooting information. It is designated as volume II, I've never seen a Volume I. 234 pages. Good + condition. Rare. \$35.00

58. SCOTT-TAGGART, JOHN; **Practical Wireless Valve Circuits** . 1st edition, 1924. This book contains many circuit ideas utilizing both crystal detectors and vacuum tubes. Simple transmitters are also included. The spine is mostly missing and the staples are rusted. 80 pages. 67 illus. Fair condition. Scarce. Softcover. \$15.00

Broadcasting 1920-30

59. SIGNAL CORPS, U.S. ARMY; **The Principles Underlying Radio Communication**. 2nd edition, 1921. This book was prepared by the Bureau of Standards for the main purpose of instructing Signal Corps students in the art of wireless telegraphy during WWI. Includes many photos and Illus. of early radio gear, as well as a nice list of early radio books and periodicals. 619 pages. 10 photos. 294 illus. Very Good condition. Common. \$15.00

60. STERLING, GEORGE E.; **The Radio Manual**. 1st edition, 1929. Profusely illustrated, this manual includes many photos of early wireless equipment such as WSA IP-501, SE-143, Marconi 106-D, and Western Electric type 4-D. Also covered are spark transmitters, radio direction finders, and amateur shortwave apparatus. Pages 5 & 6 are missing, while 7 & 8 are damaged. 666 pages. 273 illus. Fair condition. Uncommon. \$20.00

61. YATES, RAYMOND FRANCIS; **Everyman's Guide To Radio**. 1st edition, 1927. This is Vol. 1 and 4 which are a complete study of vacuum tube circuit & accessories. Mr Yates did a superb job of combining a vast storehouse of information with an incredible collection of photos, some of which I've never seen in any other book or pamphlet. Television and even talking pictures are covered. Has a nicely embossed leatherette cover. 1078 pages. Very Good condition. Scarce. \$55.00

BIOGRAPHIES

62. BILBY, KENNETH; **The General- David Sarnoff and His Rise In The Communications Industry**. 1st edition, 1986. This biography was written by a former close associate. Possibly the most objective account of his life and work with implications as to his influence on the communications industry. Includes a nice bibliography. 326 pages. Very Good condition. Common. Dust Jacket. \$25.00

63. BRUCE, ROBERT V.; **Alexander Graham Bell and The Conquest Of Solitude**. 1st edition, 1973. This remarkable biography presents the first intimate look at the inventor of the telephone. The author was fortunate enough to be able to work with Bell's notebook, letters and papers. 564 pages. 27 photos. 25 illus. Very Good condition. Uncommon. Dust Jacket. \$30.00

64. BRYAN, GEORGE S.; **Edison; The Man and His Work**. 1st edition, 1926. A fascinating biography about the wizard of Menlo Park. A factual account of Edison's life including an excellent chronology and extensive 7-page bibliography. 350 pages. 13 photos. Very Good condition. Uncommon. \$20.00

65. CLARK, RONALD W.; **Einstein: The Life and Times**. 1st edition, 1971. The most complete biography written about the famed physicist. Many footnotes are used throughout the book and an excellent bibliography of the great scientists' work is included. 718 pages. 28 photos. Very Good condition. Common. Dust Jacket. \$15.00

Biographies

66. CONOT, ROBERT; *A Streak Of Luck- The Life & Legend Of Thomas Alva Edison* . 1st edition, 1979. Written on the centennial of the incandescent light, the author combed through the Edison archives to present the first complete account of this great inventor's life. A large book, it contains many fine photos of Edison, as well as a concise reference guide of associates and relatives. Includes a thorough bibliography of his source notes. 565 pages. 60 photos. Very Good condition. Common. Dust Jacket. \$25.00

67. DARROW, FLOYD L.; *Masters of Science and Invention* . 1st edition, 1923. This work covers many of the early pioneers of science. Included are Galileo, Newton, Faraday, Henry, Morse, Edison, Curie, Bell, and Marconi. Ex- Library. 352 pages. 20 photos. Good + condition. Scarce. \$20.00

68. DEFOREST, LEE; *Father of Radio* . 1st edition, 1950. An intimate autobiography by one of the most interesting and versatile geniuses who ever lived. DeForest was a pioneer in early wireless and formed one of the first companies in America. He also invented the 3- element vacuum tube. Includes his patent list, which covers 47 years. It is a signed presentation copy given to Dick Egolf, DeF. Pioneer #18 502 pages. 33 photos. 8 illus. Very Good condition. Scarce. Dust Jacket. \$115.00

69. DIBNER, BERN; *Alessandro Volta and the Electric Battery* . 1st edition, 1964. An excellent biography of the man who, unknowingly, opened the doors of the electrical age. His famous battery, called the voltaic pile, inspired in many of the early electrical geniuses who made our world what is today. 135 pages. 35 illus. Fine condition. Common. Dust Jacket. \$20.00

70. DUNLAP, ORRIN E.; *Marconi: The Man and His Wireless* . 1st edition, 1937. Written in April 1937, (Marconi died in July 1937), making it one of two true biographies written while he was still alive. Very concise and detailed in every way about Marconi's life and achievements. The previous owner wrote his name on the title page. 362 pages. 15 photos. Very Good condition. Scarce. \$65.00

71. FESSENDEN, HELEN M.; *Fessenden, Builder of Tomorrows* . 1st edition, 1940. The story of one of America's greatest radio pioneers. He developed the first wireless telephone, and the sonic depth finder. This book shows the principles and technique underlying the work of this great inventor and pictures the infancy of wireless. Ex-Library with many markings, the covers are also worn. 362 pages. Fair condition. Scarce. \$55.00

72. FLEMING, J.A.; *Fifty Years of Electricity* . 1st edition, 1921. This profusely illustrated volume documents the progress of electrical technology from 1870 - 1920. Fleming's first-hand account of the development of telegraphy, telephony, motors, dynamos, electric lamps, and wireless telegraphy is well presented. The spine is torn at the top, the inside hinges are weak, and the front cover has a crease. 371 pages. 110 photos. 167 illus. Fair condition. Rare. \$85.00

Biographies

73. **GILBERT, A.C. AND MCCLINTOCK, MARSHALL; The Man Who Lives In Paradise**. 1st edition, 1954. The story of A.C. Gilbert told in his own voice. His erector set soon became a household word and his business philosophy led to his fantastic success. An incredible man with diverse interests, this story is difficult to put down! The full story of Clarence Tuska and the radios he introduced for A.C. Gilbert is told here. Includes D/J. 374 pages. 16 photos. Very Good condition. Rare. \$75.00

74. **HUBERT, PHILIP G. JR.; Inventors**. 1st edition, 1893. This is a excellent book highlighting our most famous inventors, including Ben Franklin, Samuel F.B. Morse, Goodyear, Edison, Alexander Graham Bell, Charles Brush, George Westinghouse and many others. 299 pages. 72 illus. Very Good condition. Scarce. \$45.00

75. **JOLLY, W.P.; Marconi**. 1st edition, 1972. This biography of the Father of Radio is the first to separate fact from rumor about this genius who inspired both hatred as well as admiration. Includes details surrounding the Marconi Scandal, tempestuous love affairs, and his escape from death on the Lusitania. 292 pages. 24 photos. Fine condition. Scarce. Dust Jacket. \$30.00

76. **LAMME, BENJAMIN GARVER; Benjamin Garver Lamme: An Autobiography**. 1st edition, 1926. A fascinating story of one of the most important electrical engineers of the 19th Century. It traces his discoveries and inventions with motors at Westinghouse to the development of railway electrification. Included is a list of his published papers. 271 pages. 45 photos. Very Good condition. Uncommon. \$20.00

77. **LEONARD, JONATHON NORTON; LOKI - The Life of Charles Proteus Steinmetz**. 2nd edition, 1932. This is the famous biography about the mathematical genius of General Electric. It tells of his personal life as well as his work on the alternating current motor. 291 pages. 8 photos. Very Good condition. Uncommon. \$30.00

78. **LESSING, LAWRENCE; Man of High Fidelity: Edwin Howard Armstrong**. 1st edition, 1956. The story of the greatest American inventor since Edison, Armstrong discovered the regenerative circuit, superheterodyne circuit and developed the FM mode of communication. Including an excellent dust jacket, this title is becoming somewhat scarce in hardcover! 320 pages. 16 photos. 12 illus. Very Good condition. Rare. \$95.00

79. **LEUPP, FRANCIS E.; George Westinghouse: His Life and Achievements**. 1st edition, 1918. This biographical account depicts the human side of George Westinghouse. It commends the well-known mechanical genius for his spirit, courage, watchfulness, and persistence in the development of the air brake and the alternating current system of electrical power. In nice condition, from the War Service Library. 304 pages. 10 photos. Very Good condition. Scarce. \$40.00

Biographies

80. LYONS, EUGENE; David Sarnoff . 1st edition, 1966. The life story of the guiding genius of the Radio Corporation of America, often referred to as one of the fathers of television. As head of RCA and pioneer in electronics and communications, he has probably affected our daily lives more than anyone since Edison. 372 pages. 24 photos. Fine condition. Common. Dust Jacket. \$10.00

81. MILLER, FRANCIS TREVELYAN; Thomas A. Edison; Benefactor of Mankind . 1st edition, 1931. The romantic life-story of the world's greatest inventor. This work portrays the full credit which was given to Thomas Edison for his epochal achievements. 320 pages. 39 photos. 20 illus. Very Good condition. Uncommon. \$20.00

82. PAPER, LEWIS J.; Empire: William S. Paley and The Making of CBS . 1st edition, 1987. This is a vivid and fascinating biography of one of the world's most influential and powerful men of the twentieth century. The author relied on unpublished documentary sources as well as hundreds of interviews conducted by the author or made available through libraries and private collections. 384 pages. 31 photos. Fine condition. Common. Dust Jacket. \$20.00

83. RADOVSKY, M.; Alexander Popov; Inventor of Radio . 1st edition, 1957. The English translation of the scarce biography of Alexander Popov. According to the Russians, he was the true inventor of radio, not Marconi. Many photos of his apparatus as well as others are shown in the book. The only book length biography done on Popov. 130 pages. 30 photos. Very Good condition. Rare. \$75.00

84. SOLARI, LUIGI; Marconi- Nell'intimata E Nel Lavoro . 1st edition, 1940. This biography was written by one of Marconi's earliest assistants and friend throughout his life. Written entirely in Italian, Solari had a front row seat to the discoveries and primitive experiments Marconi performed early in his career. Contains many photos I've never seen before. 355 pages. 51 illus. Good + condition. Rare. \$95.00

85. SUSSKIND, CHARLES AND KURYLO, FRIEDRICH; Ferdinand Braun . 2nd edition, 1981. The only in-depth biography about the inventor of the cathode-ray tube. He also made fundamental contributions to the field of wireless telegraphy, and was jointly awarded the Nobel Prize in Physics with Marconi in 1909. Originally published in German in 1965, this copy has a nicely illustrated dust jacket. 289 pages. 19 illus. Fine condition. Common. \$40.00

86. TATE, ALFRED O.; Edison's Open Door . 1st edition, 1938. A tribute to the character of the famous inventor, by a man who came to know him intimately in his capacity as his private secretary. This book contains many insights expressed by Edison through his everyday encounters with other distinguished inventors such as Ford and Westinghouse. 320 pages. Fine condition. Scarce. Dust Jacket. \$35.00

Biographies

87. **TEBBEL, JOHN; David Sarnoff; Putting Electrons To Work .** 1st edition, 1963. The story of the Chairman of the Board of R.C.A. As he worked his way up the ladder of The Marconi Company he became the head of the greatest communications company that ever existed. A nice copy with an illustrated dust jacket. 191 pages. 14 photos. Very Good condition. Common. \$15.00

88. **THE WISDOM SOCIETY; The Wisdom Of Sarnoff and The World Of RCA .** 1st edition, 1968. An exceedingly rare biography of Sarnoff, never endorsed by him to sell. A nationwide attempt was made to invalidate the book and returns actively solicited through RCA (ref. "The General" page 273). Most copies were subsequently returned, this volume is one of the few which survive! Profusely Illustrated! 449 pages. Fine condition. Very Rare. \$95.00

89. **VANDERBILT, BYRON M.; Thomas Edison, Chemist .** 1st edition, 1971. This biography takes into account the chemical aspects of such major inventions as the light bulb and phonograph. The author refers mainly to technical journals & patents. An unusual account published by the American Chemical Society. 373 pages. 32 illus. Fine condition. Uncommon. \$20.00

90. **WOODBURY, DAVID O.; Elihu Thomson; Beloved Scientist .** 1st edition, 1944. A complete biography of this most fascinating pioneer of the electrical age. He is credited with almost 800 electrical patents beginning with wireless telegraphy in 1875. He went on to invent many electrical items in use today. 358 pages. 20 photos. Very Good condition. Scarce. \$20.00

91. **WOODBURY, DAVID O.; A Measure For Greatness .** 1st edition, 1949. An inspiring biography of Edward Weston, along with a chronological record of Weston's inventions cast against a background of the general development of the electrical art. Weston's electric motors, incandescent lamps and measuring devices made a large impact in the technological development of our country. Includes a nice dust jacket. 230 pages. 12 illus. Very Good condition. Scarce. \$35.00

BIBLIOGRAPHY/REF

92. **BESTERMAN, THEODORE; A Bibliography of Sir Oliver Lodge .** 1st edition, 1935. A complete bibliography of Oliver Lodge's works up to 1935, celebrating the 60th anniversary of his first work. A prolific writer, included are 1156 articles and books along with a short description of each. Electricity, radio & the ether are the main areas he covered. This is the first copy of this title we've ever had for sale!! 219 pages. Very Good condition. Very Rare. \$195.00

93. **MAGIE, WILLIAM FRANCIS; A Source Book In Physics .** 2nd edition, 1963. This source book in physics contains extracts from important contributions made in that science from 1600 through 1900. It includes prefatory accounts of the lives of the physicists whose works are quoted. Some of the men include Pascal, Von Guericke, Coulomb, Ampere, Kelvin, Maxwell, Volta, Ohm, Faraday, Maxwell, Hertz and Rontgen. 620 pages. 111 illus. Very Good condition. Scarce. \$50.00

Bibliography/Ref

94. NOTTINGHAM, WAYNE B. AND STAFF AT M.I.T.; **Bibliography on Physical Electronics** . 1st edition, 1954. This extensive bibliography represents the accumulated efforts of many individuals and covers the time period from 1900 through 1950. The papers listed include areas covering gas discharge, corona & arc discharge, secondary emission, thermionic emission, conductors, insulators, semiconductors, phosphors, luminescence & high vacuum. 428 pages. Very Good condition. Scarce. \$35.00

95. RONALDS, SIR FRANCIS (THE RONALDS LIBRARY); **Catalogue of Books and Papers Relating To Electricity and the Electric Telegraph** . 1st edition, 1880. This rarely seen catalog has now been reprinted, as a Limited Edition (150 copies). Probably the best bibliography ever printed on early and important books relating to telegraphy and electricity, containing over 13,000 entries of books, pamphlets and serials. This is one reference book I DO USE to help construct this catalog! Its great! 552 pages. New condition. Common. \$75.00

96. WILLIAMS, TREVOR I.; **A Biographical Dictionary Of Scientists** . 1st edition, 1969. Authoritative and readable accounts of the lives and work of over one thousand eminent scientists and technologists. Each scientist's achievements are described, assessed and related to those of his predecessors and successors. Includes bibliographical references for further research. An excellent book! 592 pages. Fine condition. Scarce. Dust Jacket. \$45.00

BROADCASTING, SOCIAL

97. ALICOATE, CHARLES A. (EDITOR); **Radio Annual and Television Yearbook 1952** . 1st edition, 1952. The standard guide & reference work of the electronic field, this scarce volume reflects the year 1951 when Television was exploding throughout the land!. This large volume is loaded with advertising and information on agencies and TV & radio stations, along with many lists of disc jockeys, equipment Mfgrs, etc. In beautiful embossed cover! 1280 pages. Very Good condition. Rare. \$55.00

98. ARNOLD, FRANK A.; **Broadcast Advertising- The Fourth Dimension** . 1st edition, 1931. This is the first and only history on radio advertising, written by an authority who had a hand in the first commercial broadcast by station KDKA. The facts represent the author's personal experience as a pioneer in the field. 275 pages. Very Good condition. Rare. \$45.00

99. DUNLAP, ORRIN E.; **Talking On The Radio** . 1st edition, 1937. A practical guide for writing and broadcasting a speech. Written by one of the most prolific radio authors of the time. Teaching by radio, political oratory, newscasters and commentators are all covered indepth. This is the first copy we've had for sale! 216 pages. Good + condition. Scarce. \$15.00

Broadcasting, Social

100. GHRIST, JOHN RUSSELL; *Valley Voices: History of Radio Broadcasting In Illinois & NW Indiana 1910-1992* . 1st edition, 1992. The most comprehensive historical reference on radio stations and personalities written from 1910 - 1992, concentrating on the Chicago area. Numerous broadcasters are pictured along with brief anecdotes & hundreds of photos of announcers, studios & ephemera. This is the 1st unabridged edition, printed in a small quantity, signed by the author. 356 pages. Very Good condition. Rare. Softcover. \$35.00

101. KDKA (PUBLISHER); *KDKA Family Album* . 1st edition, 1942. An unusual little album measuring 5" x 6" portraying 29 of KDKA's personalities, each one autographed by the performer! Included are Bernie Armstrong, Buzz Aston, Pat Holly etc.. In very nice condition throughout, a unique item that was published to help out with the War Bond drive in WWII. 30 pages. 29 photos. Very Good condition. Rare. Softcover. \$45.00

102. PERRY, DICK; *Not Just A Sound; The Story Of WLW* . 1st edition, 1971. Written by a former producer-director of ABC TV, this book takes Powell Crosley's station from its birth in 1922 through the broadcast era. Contains many photos of early performers and studios. 242 pages. Fine condition. Rare. Dust Jacket. \$25.00

103. THE VOICE; *The Voice of Experience* . 1st edition, 1933. This unusual book is a collection of responses to the fifty most frequently asked questions during his years of broadcasting. Trained in psychiatry, the author offers easy, readable prose along with sound advice for human problems maintaining his anonymity throughout. Includes a nicely illustrated dust jacket. 367 pages. Very Good condition. Scarce. \$25.00

COMPUTER

104. BERNSTEIN, JEREMY; *The Analytical Engine* . 1st edition, 1964. A thought-provoking account of the past, present, and future of the computer. This book provides the common reader with an understanding of the machine which was to change the world. Including a nicely illustrated dust jacket, this is a copy of the 10th printing. 113 pages. Fine condition. Common. Dust Jacket. \$20.00

105. BOOTH, ANDREW D. AND BOOTH, KATHLEEN H.V.; *Automatic Digital Calculators* . 1st edition, 1953. This book serves as a guide to the theory of early digital computers, and was intended to introduce new workers in the field to the notions, language and literature of these machines. Includes some neat photos of early computers and their components, as well as a nice bibliography. From The G.E.C. Laboratory Library. 231 pages. Good + condition. Rare. \$45.00

106. BYCER, BERNARD B.; *Digital Magnetic Tape Recording: Principles and Computer Applications* . 1st edition, 1965. This book provides a comprehensive coverage of digital magnetic tape recording in terms of basic mechanical, magnetic, and electronic techniques involving computer applications. Includes many photos and diagrams of the state-of-the-art 60's computer apparatus. Neat! 318 pages. 176 illus. Very Good condition. Scarce. \$35.00

Computer

107. COLEMAN, JOHN S.; *The Business Machine* . 1st edition, 1939.
Published by the Newcomen Society and first read at the 1939 New York
World's fair. The subtitle is: -With Mention of William Seward Burroughs,
Joseph Boyer, and others- since 1880. An interesting monograph containing
great information on early calculating machines. 24 pages. Very Good
condition. Scarce. Softcover. \$20.00

108. DAVIS, MARTIN; *Computability & Unsolvability* . 1st edition, 1958.
This book is an introduction to the theory of computability and
non-computability, usually referred to as the theory of recursive
functions. This subject is concerned with the existence of purely
mechanical procedures for solving various problems (Turing). One of the
McGraw-Hill Series in Information Processing and Computers 210 pages. Fine
condition. Uncommon. \$20.00

109. HARVARD UNIVERSITY PRESS; *Proceedings of A Symposium On Large-Scale
Digital Calculating Machinery* . 1st edition, 1948. An excellent
volume giving the results of the 1947 symposium at Harvard. Included is a
section on the Eniac and the Mark II with large page length photos of
each. The work of Charles Babbage is discussed, as well as including many
photos and diagrams of large room-sized computers. From The Rockefeller
University Library. 302 pages. Very Good condition. Very Rare. \$155.00

110. HYMAN, ANTHONY; *Charles Babbage: Pioneer of the Computer* . 1st
edition, 1982. This book discusses the long career of Charles Babbage, a
leading advocate of the systematic use of science in industry. He was also
the creator of machines later known as unique precursors of the modern
computer. Almost forgotten and then rediscovered in the 20th century, his
analytical engines are among the greatest achievements in mankind. 287
pages. 39 illus. Very Good condition. Uncommon. Dust Jacket. \$25.00

111. IVALL, T.E.; *Electronic Computers: Principles and Applications* .
1st edition, 1957. A non-mathematical introduction to the principles and
applications of computers employing vacuum tubes and other electronic
devices. Both digital and analog computers are discussed and compared.
Includes many photos of vintage computers and related equipment, this is
the second printing of an important title, with a nicely illustrated dust
cover. 167 pages. 53 photos. 40 illus. Very Good condition. Scarce. Dust
Jacket. \$35.00

112. MCCRACKEN, D.D.; *Digital Computer Programming* . 1st edition, 1957.
A practical treatment of digital computers providing a clear
understanding of programming and basic problem solving. One of the
earliest texts on the subject, it is in very nice condition. 253 pages.
Very Good condition. Scarce. \$35.00

113. PAYNTER, H.M.; *A Palimpsest On The Electronic Analog Art* . 1st
edition, 1955. A collection of important papers and articles on the
development of the electronic computer written during the 1940's and
1950's. Included are many illustrations and bibliographic references
pertaining to the early computers. 270 pages. 250 illus. Very Good
condition. Rare. Softcover. \$45.00

ELECTRICITY

114. (PERIODICAL); **Popular Electricity** . 1st edition, 1911. This is bound Volume # 4, comprising 12 issues from May, 1911 to April, 1912. A fantastic collection of magazines from a great period including articles on everything pertaining to electricity, including Edison, wireless telegraphy, the telephone, electric lighting and the telegraph. Nicely bound in black alligator cloth. 1184 pages. 999 illus. Very Good condition. Rare. \$115.00

115. (PUBLISHER) **STAR IRON TOWER CO.; American Electrical Directory** 1890 - 1891 . 5th edition, 1891. This thick volume contains more information and data on the early electrical supply and lighting companies ever assembled before in one place. All the various lighting companies are described in detail, both Arc & Incandescent. Includes many illustrated ads for early apparatus. From the IEEE Library. Hinges were reinforced. 594 pages. Good + condition. Very Rare. \$115.00

116. (PUBLISHERS) **THEODORE AUDEL & CO.; Hawkins Electrical Guide Volumes 1 - 10** . 2nd edition, 1917. This is the famous 10 volume set showing every facet of electricity in existence by 1917. Bound in uniform black cloth covers with gilt along the foreedges, this set is in beautiful condition. With a combined total of 4,711 illustrations & diagrams, they cover X-Ray, Telegraphy, Electro-Therapeutics, Wireless, Telephony, Motion Pictures 3367 pages. Very Good condition. Uncommon. \$35.00

117. (TRADE CATALOG); **Northern Electric Co.** . 1st edition, 1915. This is designated General Catalog # 4, and the date I have is approximate, as none is indicated in the text. This massive catalog includes everything you could imagine having to do with the telephone. From phone booths to insulators, fire alarms, test instruments & lighting supplies, its all here! Covers are worn. 1119 pages. Good + condition. Rare. \$85.00

118. (TRADE CATALOG); **Western Electric Co.** 1919 . 1st edition, 1919. A fantastic electrical supplies catalog, this is the first postwar catalog published by WE. You name it and its here! Telephone & telegraph apparatus, as well as 20 pages of insulators, early meters & test instruments, and even electric fans are included. The covers are worn at the corners and the pages are somewhat yellowed. 1120 pages. Good + condition. Rare. \$165.00

119. (TRADE CATALOG); **Central Electric Company** . 1st edition, 1924. This large catalog describes nearly everything electrical available at the time. From telephones to stained glass Tiffany type lamps, it encompasses insulators, fans, meters, test instruments, tools and even a few pgs. of Tuska, RCA and Western Electric Radio equipment. Ex-lib War Dept., the covers are badly soiled and most pages are yellowed. 804 pages. 999 illus. Fair condition. Rare. \$75.00

Electricity

120. (TRADE CATALOG); Central Scientific Co. Scientific Instruments and Laboratory Apparatus and Suppl . 1st edition, 1950. This is Central Scientific's Catalog J150 covering physics, chemistry and the natural sciences. This massive catalog weighs 7 1/2 pounds and contains static machines, geissler tubes, induction coils, Tesla and high frequency apparatus, telegraph, galvanometers, Crookes' tubes, X-Ray tubes, microscopes, etc. A nice catalog! 1554 pages. 999 illus. Very Good condition. Scarce. \$65.00

121. (TRADE CATALOG); E.H. Sargent and Co. Scientific Laboratory Apparatus . 1st edition, 1937. This large catalog features all kinds of scientific apparatus, from scales and balances to microscopes & centifuges, it's all here! The section on electricity is not as extensive as in other catalogs, but there are electrical testing instruments. 1245 pages. 999 illus. Good + condition. Scarce. \$45.00

122. (TRADE CATALOG); Manhattan Electrical Supply Co. . 1st edition, 1904. This is Mesco catalog #18 containing thousands of beautiful illustrations depicting early telegraph, telephone, electrical and even blasting machines! Insulators, fans and testing gear are also found in abundance. The first & last few pages are stained along the bottom, not affecting the text. A nice tight copy of a super catalog! 640 pages. Good + condition. Rare. Softcover. \$235.00

123. (TRADE CATALOGS); Weston Electrical Instrument Catalog No. 13 . 1st edition, 1941. A nice catalog of Weston's instruments, including laboratory standards, portable and switchboard instruments, panel meters, and service instruments. Also included is a 1925 Weston Catalog (42 pages) and a Leeds & Northrup Catalog E from 1940 (66 pages), for a total of three items. 114 pages. Very Good condition. Scarce. Softcover. \$55.00

124. ABRAHAM, HENRI AND LANGEVIN, PAUL; Quantites Elementaires D'Electricite Ions, Electrons and Corpuscules . 1st edition, 1905. A collection of important papers, contained in two large volumes, written in French by authors such as William Crookes (On Radiant Matter), Heinrich Hertz, Righi and J.J.Thomson. The Crookes article includes some fine illustrations of geissler & early X-Ray apparatus. Other articles elaborate upon cathode & Rontgen Ray developments. 1133 pages. 240 illus. Very Good condition. Very Rare. \$145.00

125. ADAMS, JOSEPH H.; Harper's Electricity Book for Boys . 1st edition, 1907. A fine copy of a well-illustrated book on electricity, wireless telegraphy, telephony, and dynamos intended for the young electrical enthusiast. It contains many construction projects in all areas of electrical communication. Includes a nicely illustrated cover showing a boy & various experiments. 407 pages. 276 illus. Very Good condition. Scarce. \$45.00

Electricity

126. AIEE; **The Philadelphia Electrical Handbook**. 1st edition, 1904. This handsome book was given to the delegates at the St. Louis International Electrical Congress held in September 1904. It was intended as a guide for visitors from abroad and includes the history and achievements in the electrical industry for the city of Philadelphia including The Bell Telephone Co. etc. This is copy # 614! 220 pages. 106 illus. Very Good condition. Rare. \$55.00

127. AYRTON, W. E.; **Practical Electricity**. 4th edition, 1889. A laboratory and lecture course for first year students of electrical engineering, based on the practical definitions of the electrical units. Contains many fine illustrations of early electrical apparatus, including galanometers, and other early testing apparatus. Written by the pioneer in the development of potential indicators. 516 pages. 180 illus. Very Good condition. Rare. \$45.00

128. BAILE, J.; **Wonders of Electricity**. 1st edition, 1872. A wonderful book on the early applications of electricity. The first part explores the telegraph in depth, and includes history as well as theory and applications. The induction coil is covered in the second part, with the electric light (!) (Arc) in the third, and electroplating in the last part. The cover is stained and worn. 335 pages. 65 illus. Good condition. Rare. \$95.00

129. BEAN, RICHARD L. AND OTHERS; **Transformers For the Electric Power Industry**. 2nd edition, 1959. Written by transformer designers, a largely non-mathematical study of their theory and application. The scope of this book is to give the engineer a connected outline of the transformer art, enabling him to design, build, and use transformers at ease. One of the McGraw-Hill Transformer Engineering texts. 409 pages. 346 illus. Very Good condition. Scarce. \$35.00

130. BLUME, L.F. AND OTHERS; **Transformer Engineering**. 1st edition, 1938. A thorough treatise on the theory, operation and application of transformers. All the authors are from the Transformer Engineering Dept. of The General Electric Company, Pittsfield, Mass.. This book includes hundreds of diagrams and text-figures. The first copy of this title we've had for sale! 496 pages. Very Good condition. Scarce. \$45.00

131. BRODERICK, JOHN T.; **Forty Years With General Electric**. 1st edition, 1929. This is the in-depth history of the General Electric Co.. It covers the formation and the people behind the products, namely Whitney, Coolidge, Rice, Coffin and Thomson. The author tells of his long association with the company and fellow workers, including Steinmetz. 218 pages. 5 photos. Very Good condition. Scarce. \$40.00

132. DUNLAP, CARL H., SIEFERT, B. S., AND AUSTIN, FRANK E.; **Transformers: Principles and Applications**. 1st edition, 1947. A straightforward approach to the design, construction, theory and operation of small transformers. Many drawings complement the text, making this volume a valuable asset for beginner and experienced alike. 277 pages. 49 illus. Very Good condition. Uncommon. \$30.00

Electricity

133. ELFUN HALL OF HISTORY; The Edison Era 1876 - 1892 . 1st edition, 1976. This is the photo history of General Electric, Vol. 1, which gives an excellent view of the incredible advances made throughout this period. A nice addition to a historically oriented library. 56 pages. 100 photos. Very Good condition. Uncommon. Softcover. \$15.00

134. ELFUN HALL OF HISTORY; The Steinmetz Era 1892 - 1923 . 1st edition, 1976. This is the photo history of General Electric, which gives an excellent view of the incredible advances made throughout the period from 1892 - 1923. A nice addition to a historically oriented library. 74 pages. 130 photos. Very Good condition. Uncommon. Softcover. \$15.00

135. FLEMING, J.A.; Magnets and Electric Currents . 1st edition, 1898. An elementary account of the scientific principles underlying modern applications of electricity in engineering. This first edition is rarely seen for sale. A 70 page chapter on electrical measuring instruments is especially interesting, including many illustrations of rarely seen items. The top 1/2" of the spine is missing. IEEE Library 408 pages. 134 illus. Very Good condition. Rare. \$75.00

136. GERNSBACK, S. AND SECOR, H.W.; Experimental Electricity Course . 1st edition, 1916. Twenty lessons collected together on such subjects as the telegraph and telephone, induction coils & geissler tubes, and X-Rays, all wonderfully illustrated. Chock full of neat information on early electricity, only as Gernsback could do it. 160 pages. 260 illus. Good + condition. Scarce. \$45.00

137. GIBBS, J.B.; Transformer Principles and Practice . 2nd edition, 1950. A largely non-mathematical study of the theory and application of transformers. A few of the many chapters include coils and cores, phase transformation, ratio adjustment, transformer testing and calculations. One of the McGraw-Hill Transformer Engineering texts. 236 pages. 205 illus. Very Good condition. Scarce. \$25.00

138. GREENWOOD, ERNEST; Amber To Amperes . 1st edition, 1931. From Thales to wireless, the author attempts to portray the social and historical background of electricity's fascinating history. Many important events are described, along with the inventors who took part in its growth. 332 pages. 15 illus. Very Good condition. Scarce. \$45.00

139. HAMMOND, JOHN WINTHROP; Men And Volts: The Story Of General Electric . 1st edition, 1941. This company history presents little known facts about Edison, Thomson and Steinmetz to name a few, along with an excellent history of the development of electricity & the history of General Electric Co.. 436 pages. 70 photos. Good + condition. Uncommon. \$25.00

140. HAUCK, W. PH.; Die Galvanischen Batterien . 1st edition, 1883. Written entirely in German, this book contains extensive information on early batteries, their construction and history. Includes many illustrations of batteries and their associated circuits. The original paper covers are present, with a cloth library cover protecting them. From The IEEE Library. 320 pages. 85 illus. Good + condition. Rare. \$25.00

Electricity

141. **HERTZ, HEINRICH; (The Principles of Mechanics) Die Prinzipien der Mechanik.** 1st edition, 1894. Introduction by Herman von Helmholtz. Hertz's last work, this book encompasses an investigation of the laws of mechanics, expanding on Newton's Laws of Motion, etc. This is an exceedingly rare book; in the original Moroccan leather binding. 312 pages. Very Good condition. Very Rare. \$195.00

142. **HOUSTON, EDWIN J. & KENNELLY, A.E.; Electrical Engineering Leaflets**. 1st edition, 1899. A series of lessons written especially for the engineering student, with sections on dynamos, motors, incandescent and arc lighting, electromagnets, and testing apparatus. In a fine publisher's red cloth binding. 296 pages. 121 illus. Very Good condition. Rare. \$30.00

143. **JEHL, FRANCIS; Menlo Park Reminiscences Vol.I, II, III**. 1st edition, 1937. The most extensive history of the work of Thomas Edison and his associates. Written by Francis Jehl, Edison's laboratory assistant, the 3 volumes are profusely illustrated with photos of his early experiments and apparatus. A very nice set for the reference library. 1156 pages. 476 photos. 170 illus. Very Good condition. Rare. Softcover. \$95.00

144. **LOCKWOOD, T.D.; Electrical Measurement and the Galvanometer**. 2nd edition, 1887. This rarely seen book sets forth the principles of electrical measurement based on the use of the galvanometer, the first type of electrical indicating instrument. It was published by the J.H. Bunnell Co.. The cover is worn along the edges. 137 pages. 32 illus. Good + condition. Rare. \$55.00

145. **LODGE, SIR OLIVER; Lightning Conductors and Lightning Guards**. 1st edition, 1892. The outcome of Sir Oliver Lodge's investigations into the protection of buildings, telegraph instruments and submarine cables from atmospheric discharges. Many of his experiments with a spark coil and gap are shown. A very nice copy of Lodge's rarest work, from the Teleglobe Canada Library. 544 pages. 19 illus. Very Good condition. Very Rare. \$325.00

146. **LODGE, SIR OLIVER; Modern Views of Electricity**. 2nd edition, 1892. In this special work, Lodge describes conduction and magnetism with relation to electricity. Also covered are early experiments on the ether and electromagnetic and electrostatic relations between electricity and light. Contains many illustrations of early electrical apparatus. There are ink notes & underlining throughout the book. 480 pages. 67 illus. Good condition. Scarce. \$35.00

147. **MORGAN, ALFRED; A First Electrical Book For Boys**. 2nd edition, 1951. Throughout this book, the author clearly and concisely outlines the history and development of electricity. He cites the contributions of famous scientists such as Faraday, Hertz, and Marconi. Some simple electrical experiments are shown for boys (and girls) to carry out on their own. Includes hundreds of illustrations. Ex-Library. 263 pages. Good + condition. Uncommon. \$30.00

Electricity

148. MORGAN, ALFRED; **Things A Boy Can Do With Electricity** . 2nd edition, 1953. A fascinating book that details many experiments that boys and girls can perform easily. Profusely illustrated with many interesting electrical gadgets, including spark coils, geissler tubes, microphone and even a motor. Ex-library in a library binding. 243 pages. Good + condition. Uncommon. \$20.00

149. MORGAN, ALFRED P.; **Getting Acquainted With Electricity** . 1st edition, 1942. This work is recommended for all boys interested in electricity, telegraphy, and telephony. Detailed explanations of principles of radio & electricity are given, enabling any person with a scientific type of mind to excel in the field. Information on Induction coils and electro-magnetism is also covered in depth. 1st copy we've had! 346 pages. 324 illus. Very Good condition. Scarce. \$25.00

150. MORGAN, ALFRED P.; **The Boy Electrician** . 4th edition, 1957. This work is recommended for all boys interested in electricity and the making of early electrical apparatus. Simple explanations are given of the telegraph, telephone and radio, including many plans for building one's own apparatus. This is the latest edition we've come across. Ex-library, the front blank endpapers are missing. 407 pages. 305 illus. Good condition. Scarce. \$25.00

151. NATIONAL ELECTRIC LIGHT ASSOCIATION; **Electrical Meterman's Handbook** . 3rd edition, 1917. This book was prepared as an aid to the meterman and engineer. Anything you ever wanted to know about any kind of meter and its operation is discussed in this volume, including laboratory standards, meter testing and meter department records. Many photos and illustrations of meters and laboratory instruments are depicted. 1503 pages. 978 illus. Very Good condition. Scarce. \$65.00

152. NYE, DAVID E.; **Electrifying America: Social Meanings of A New Technology 1880 - 1940** . 1st edition, 1991. An exhaustive study on how electricity entered everyday life in America. A sustained and comprehensive analysis of electricity's social and cultural impact, from factory to household and from rural hamlet to the Great White Way. Includes hundreds of bibliographic source notes as well as extensive 25-page bibliography. Great Book! 479 pages. 79 illus. Fine condition. Uncommon. Dust Jacket. \$25.00

153. PASSER, HAROLD C.; **The Electrical Manufacturers 1875 - 1900** . 1st edition, 1953. This book is a study of the origins and developments of the highly technical and competitive electrical manufacturing industry. Organized in three parts - arc lighting, incandescent lighting, and electric power - it tells the story of the industry's innovations and the engineer-entrepreneurs responsible for them. A highly desirable book. 412 pages. 14 illus. Fine condition. Rare. Dust Jacket. \$85.00

Electricity

154. SCHNEIDER, NORMAN H. AND HARGRAVE, JESSE; Electrical Instruments and Testing . 4th edition, 1913. This rarely seen volume covers the testing of telephone & telegraph cables and instruments. The testing apparatus includes many types of galvanometers, condensors, reversing key, commutator, ammeters, voltmeters, bridges and testing with various western electric, Leeds & Northrup & Varley test instruments. 1st copy we've had! 256 pages. 132 illus. Very Good condition. Rare. \$55.00

155. SIEMENS, GEORG; History of The House of Siemens . 1st edition, 1957. This is Volume II only, of a 2 vol. set. It covers the years 1914 - 1945. A fine history of the great electro-technical enterprise that is the pride of Germany. This gives an account of the development of the "house" through the two world wars. It is a technical account as well as economic & political and gives a great insight to the conglomerate. 326 pages. Fine condition. Scarce. Dust Jacket. \$25.00

156. STEELE, JAMES W.; The Story Of Electricity For Amateurs And Students . 1st edition, 1903. A history of electricity's development in an easy to read style, beginning with the ancient Greeks and ending with Edison at the turn of the 19th century, including the telegraph, telephone and dynamo. The cover is finely embossed with an illustration of an experiment using Leyden jars. 178 pages. Very Good condition. Scarce. \$35.00

157. STEINMETZ, CHARLES PROTEUS; Steinmetz Electrical Engineering Library (8 Volumes) . 5th edition, 1918. The 8 volume set of Steinmetz's most important books, missing vol. 9, "light and Illumination" They are numbered from volume 1 through 8 and bound in brown cloth bindings. The dates range from 1914 to 1920, and from 1st to 5th editions. All are in nice condition, with slight wear to the extremeties. 3000 pages. Good + condition. Rare. \$115.00

158. THOMPSON, SILVANUS P.; Lectures On The Electromagnet . 1st edition, 1892. This book comprises a collection of four lectures on the electromagnet delivered in February, 1890 before the Society Of Arts in London. An interesting early volume dedicated to the history and theory of the electromagnet. One of the important books which prepared many scientists and inventors for their investigations in electricity. 287 pages. 75 illus. Very Good condition. Scarce. \$55.00

159. THOMSON, J.J.; Conduction of Electricity Through Gases . 3rd edition, 1928. This is a landmark book, being the third edition of Thomson's experiments with x-rays, cathode rays, and Becquerel rays. This book explains the conduction of electricity when exposed to different gases. Contained in two volumes, both are X-Library, and Vol. 1 is bound in library cloth. The first time we've had this edition. 1099 pages. 353 illus. Good + condition. Rare. \$85.00

160. TREVERT, EDWARD; Experimental Electricity . 10th edition, 1900. An early book containing instructions on how to make a galvanometer, induction coil, telegraph instrument, electric motor and dynamo. 175 pages. 85 illus. Very Good condition. Scarce. \$25.00

Electricity

161. TROWBRIDGE, JOHN; **What Is Electricity?** . 1st edition, 1898. A popular account exploring many aspects of the subject including power transmission, electric waves, wireless telegraphy and sources of power. One chapter is dedicated to the X-Ray, then in its infancy. The author also wrote early juvenile stories on electricity and wireless. 315 pages. 53 illus. Very Good condition. Rare. \$30.00

162. YATES, RAYMOND F.; **These Amazing Electrons** . 1st edition, 1937. A popular treatise dealing with the applications of the new science of electronics to medicine, surgery, music, television, and industry. A comprehensive treatment of electronics using a somewhat romantic theme. Contains many nice photos of early television apparatus, etc. Ex-library. 326 pages. 46 photos. 63 illus. Good + condition. Scarce. \$20.00

HISTORY OF RADIO

163. ARCHER, GLEASON L.; **History of Radio to 1926** . 1st edition, 1938. Probably the most sought-after work on the history of radio. This book encompasses the history of the electric telegraph, its development to wireless telegraphy, wireless telephony, and finally to broadcasting. Includes many footnotes and references throughout the text. The dust jacket is present, but is stained. 421 pages. 20 photos. Good + condition. Rare. \$85.00

164. BAARSLAG, KARL; **SOS To The Rescue** . 1st edition, 1936. The story of shipwrecks and the wireless operators who were instrumental in saving thousands of lives through their unfailing devotion. The collision between the Republic and the Florida, sinking of the Titanic, and rapid foundering of the Empress of Ireland are only a few of the exciting disasters described herein. Ex-Library. 310 pages. 16 photos. Good + condition. Rare. \$45.00

165. BAKER, W.J.; **A History of The Marconi Company** . 1st edition, 1970. The official version of Marconi himself, along with the most complete history of the company that has been written up to this date. This is a fascinating treatise belonging in every radio historian's library. 414 pages. 23 photos. 26 illus. Very Good condition. Uncommon. Dust Jacket. \$45.00

166. BELL TELEPHONE LABORATORIES; **A History of Engineering and Science in the Bell System** . 1st edition, 1984. The third volume of a series documenting the significant contributions of the Bell System to telecommunications technology, subtitled Communications Sciences (1925-1980). This book highlights research activities from the adventure of an intercity phone call in the 20's to the present day multitude of data digital electronics sends. 521 pages. Fine condition. Uncommon. Dust Jacket. \$25.00

167. BUSSEY, GORDON; **Vintage Crystal Sets 1922 - 1927** . 1st edition, 1976. An excellent source for the vintage wireless collector who specializes in collecting crystal sets of the 1920's. Contains many photos of beautiful crystal sets, as well as a list of the companies who manufactured them and their trademarks. 128 pages. Fine condition. Uncommon. Softcover. \$35.00

History of Radio

168. DUNLAP, ORRIN E. JR.; *Radio's 100 Men Of Science* . 1st edition, 1944. A superb volume containing a wealth of information and reference for both the general reader and the historian. Each biography is written as a personal story as well as a record of the unique contribution of each scientist. The best reference source of its kind. Ex-Library. 294 pages. 98 photos. Good + condition. Scarce. \$45.00

169. DUNLAP, ORRIN E. JR.; *Dunlap's Radio And Television Almanac* . 1st edition, 1951. This seldom-seen almanac contains information on men, events, inventions, and dates which made history in electronics from the dawn of electricity to radar and television. An excellent reference volume including a detailed index of names and subjects providing a complete cross reference to the chronological history. Name stamp on title page 211 pages. 68 photos. Very Good condition. Uncommon. \$25.00

170. FABRE, MAURICE; *A History of Communications* . 1st edition, 1963. In this unusual book the well-known writer describes and analyzes the immense network of communications upon which our world relies, clearly and concisely traces the fascinating history of the development of communications. He begins with the invention of the movable type and works his way up through the telegraph, radio and television. 112 pages. 103 illus. Very Good condition. Scarce. Dust Jacket. \$20.00

171. GRAY, JACK; *Bits of Wireless History* . 1st edition, 1969. An excellent description of the history of wireless, written by Jack Gray, a well-known radio historian and museum curator. This volume is illustrated with photos of rare wireless apparatus from his collection. 60 pages. 72 photos. Fine condition. Scarce. Softcover. \$25.00

172. GREENWOOD, HAROLD S.; *A Pictorial Album of Wireless and Radio 1905 - 1928* . 1st edition, 1962. This is a nice copy of the first edition of what is now known as "Vintage Radio". This pictorial reference guide belongs on every radio collector's shelf, as it is profusely illustrated with 100's of photos of vintage wireless gear, transmitters, headphones, horns, parts, and vacuum tubes. 223 pages. 999 photos. Very Good condition. Scarce. \$40.00

173. HANCOCK, H.E.; *Wireless at Sea: The First Fifty Years* . 1st edition, 1950. This important work covers the birth of wireless and the development of the Marconi Marine Communication Co. Published in commemoration of the 50th anniversary of the Marconi Marine Co., it contains many nice photos of wireless installations. A must for the historian. 233 pages. 80 photos. Very Good condition. Rare. \$65.00

174. HOWETH, CAPT. L. S.; *History of Communications-Electronics in the United States Navy* . 1st edition, 1963. Generally considered the leading reference on Naval wireless communication history. Presents much info on the early shipboard transmitters and receivers, and many rare photos and interesting illustrations. Exceedingly well documented, with over 1500 footnotes and references, this should be on every radio historian's bookshelf. 657 pages. Good + condition. Scarce. \$85.00

History of Radio

175. IRE; IRE Proceedings 50th Anniversary Issue . 1st edition, 1962.
This massive, 2-inch thick volume contains many articles on the history of radio, as well as some very interesting outlooks on the future of radio and electronics. Probably the best issue of the IRE ever published. Nicely bound in blue cloth, the original covers are perfect. 1310 pages. Very Good condition. Scarce. Softcover. \$35.00

176. LAVINE, A. LINCOLN; Circuits Of Victory . 1st edition, 1921. This is the entire story of the use of the telephone, telegraph, and wireless telegraphy by the American Expeditionary Forces (A.E.F.) during World War I. An excellent book on the subject, it includes both a concise history and the role Western Electric played in the conflict. 634 pages. 96 photos. Good + condition. Rare. \$95.00

177. LEWIS, TOM; Empire Of The Air- The Men Who Made Radio . 1st edition, 1991. Empire Of The Air is a magnificent, superbly researched biography of three extraordinary men whose achievements changed our lives forever. The author traces the lives of Lee DeForest, David Sarnoff, and Edwin Howard Armstrong and their personal interactions. Includes many rare photos and an extensive bibliography. Signed by the author. 421 pages. 90 photos. Fine condition. Common. Dust Jacket. \$15.00

178. MCMAHON, MORGAN; A Flick Of The Switch 1930-1950 . 1st edition, 1987. A companion & sequel to Vintage Radio, covering the main radio & TV broadcasting era. Hundreds of sets are pictured of home radios & TV's as well as amateur sets of pre-war and wartime vintage. This is a nice hardcover edition with the original dust jacket. 312 pages. Very Good condition. Scarce. \$30.00

179. MCNICOL, DONALD; Radio's Conquest Of Space . 1st edition, 1946.
This book contains a personalized history of wireless telegraphy up to and including radar, by a man who began his wireless career in 1900. The best history of radio written in the 1940's. 374 pages. 53 illus. Fine condition. Scarce. Dust Jacket. \$30.00

180. MIESSNER, BENJAMIN FRANKLIN; On the Early History of Radio Guidance . 1st edition, 1964. A fascinating account of important discoveries and inventions made in the early days of radio. Included is work the author did with Hammond, Lowenstein and De Forest. A must for every radio historian. 86 pages. 33 illus. Fine condition. Scarce. Dust Jacket. \$20.00

181. MITCHELL, CURTIS; Cavalcade Of Broadcasting . 1st edition, 1970.
A pictorial history of radio and television, their growth and expansion. Included are scientists, stars, and pioneers of communication. Contains over 150 early radio and TV related photos, and is covered with a nicely illustrated dust jacket. From the Broadcast Pioneers Library. 256 pages. Very Good condition. Uncommon. \$20.00

History of Radio

182. MORGAN, JANE; Electronics In The West - The First Fifty Years .
1st edition, 1967. This book concentrates on the early history and development of electronics in the western United States, primarily the San Francisco area. Philo Farnsworth, Lee DeForest, Hewlett, and Packard are just some of the important men covered in this volume. Includes a nicely illustrated dust jacket. 194 pages. 70 illus. Very Good condition. Scarce. \$40.00

183. MORITA, AKIO AND REINGOLD, EDWIN M.; Made In Japan: Akio Morita and Sony . 1st edition, 1986. The story of the man who had the vision to begin a new company just after the war and the growth of that company, into what was to become Sony. An excellent account of an amazing enterprise. 309 pages. 16 photos. Fine condition. Uncommon. Dust Jacket. \$15.00

184. NHK (NIPPON HOSO KYOKAI HISTORY COMPILATION ROOM); The History Of Broadcasting in Japan . 1st edition, 1967. A highly detailed history of both radio and television broadcasting in Japan. This quality book was written and published by NHK, the giant electronics firm. Entirely written in English, this is the second copy we've seen. Contains many clear photos, graphs and diagrams. Includes the original dust jacket. From The Broadcast Pioneers Library. Nice! 436 pages. Very Good condition. Rare. \$75.00

185. PAUL, FLOYD; Radio Horn Speaker Encyclopedia . 1st edition, 1986. Written by an expert in the field, a history of the horn speaker's development and companies involved, along with a photographic encyclopedia of both common and rarely seen horns. This book should be on every radio collector's bookshelf. 81 pages. Very Good condition. Uncommon. Softcover. \$20.00

186. REID, T.R.; The Chip: How Two Americans Invented the Microchip & Launched A Revolution . 1st edition, 1984. An enthralling chronicle of how Jack Kilby and Robert Noyce hit upon a new idea which changed our daily life, and spawned a multibillion- dollar global industry, launching the "Second Industrial Revolution". This book explains the evolution of micro-electronics, from the Edison effect bulb to the microprocessor. Includes many bibliographic notes. 243 pages. 16 photos. Very Good condition. Scarce. Dust Jacket. \$45.00

187. RYDER, JOHN D. AND FINK, DONALD G.; Engineers & Electrons . 1st edition, 1984. The story of the technical development of electricity, containing hundreds of rarely seen photos from the archives of the IEEE library. A detailed bibliography is present at the end of each chapter. Published by the IEEE Press, this is a highly recommended history of the electrical field. 251 pages. Fine condition. Uncommon. Dust Jacket. \$35.00

188. SETTEL, IRVING; A Pictorial History of Radio . 2nd edition, 1967. A profusely illustrated volume belonging on every collector's bookshelf. The complete story of radio broadcasting in America from the electric telegraph to crystal sets and on to the 1950's. This includes all of the stars and great shows of Radio's Golden Age. Covered by a nicely illustrated dust jacket. 188 pages. 450 photos. Very Good condition. Uncommon. \$20.00

History of Radio

189. THE NATIONAL AM STEREOPHONIC RADIO COMMITTEE; AM Stereo . 1st edition, 1977. This is the official report of the NAMSRC tests that were performed on the Magnavox, Motorola, and Belmar systems of transmitting stereophonic sound over standard broadcast (AM) radio. All three systems were capable of transmitting and receiving stereo sound with fidelity nearly comparable to FM stereo. A very in-depth report! 461 pages. Very Good condition. Scarce. Softcover. \$25.00

190. VARIOUS; The AWA Review - Volume 9 1995 . 1st edition, 1995. Published by the Antique Wireless Association and now in limited supply, this volume includes an excellent 90 pg. article by yours truly, on Marconi, his factories and his apparatus. It also includes a couple of excellent articles on radar by Ed Lyon, a biography of Lowenstein by Bro. Pat Dowd & Early Amateur Licensing by Neil Friedman 251 pages. 173 photos. New condition. Common. Softcover. \$20.00

191. VARIOUS; The AWA Review - Volume 1 1986 . 1st edition, 1986. This is the first review published by the AWA, and it set a standard for the following issues to come. Volume 1 included articles on Nikola Tesla, Philo Farnsworth, WWI radio amateurs, history of the National Co., and an extensive history of the Atwater Kent radio Co. complete with 20 photos of breadboards etc. Others Available- Inquire 123 pages. Very Good condition. Scarce. Softcover. \$35.00

192. WHITE, LLEWELLYN; The American Radio . 1st edition, 1947. A report on the broadcasting industry in the United States from the Commission on Freedom of the Press. Radio is studied as a form of mass communication documenting its effects on the general public. A short history of RCA is included. From The Broadcast Pioneers Library. 260 pages. Very Good condition. Uncommon. Dust Jacket. \$25.00

JUVENILE

193. ST. JOHN, THOMAS M.; How Two Boys Made Their Own Electrical Apparatus . 6th edition, 1898. A wonderful book which contains complete directions for making all kinds of apparatus for the study of electricity. Many fine illust. are depicted, along with instructions for constructing magnets, induction coils, electric bells, and electric motors, etc. Contains a few pencil marks on some of the pages. 141 pages. 125 illus. Good + condition. Scarce. \$40.00

194. TROWBRIDGE, JOHN; The Electrical Boy . 2nd edition, 1896. A very early fiction based on the subject of electricity. The cover and spine are nicely illustrated and embossed with telegraph poles and a flying "Nymph" stringing telegraph wires with the caption; "I'll Put a Girdle 'Round the Earth In Forty Minutes". The nicest copy of this rare title we've seen! 390 pages. Very Good condition. Rare. \$115.00

195. TROWBRIDGE, JOHN; Three Boys On An Electrical Boat . 1st edition, 1894. A fascinating account of the adventures of 3 young men aboard a boat powered by electricity. Written by a famous technical writer, this volume is among the earliest and rarest of all the juvenile books with an electrical theme. This is the first copy we've had for sale! 215 pages. Very Good condition. Very Rare. \$125.00

LIGHT BULBS

196. (PUBLISHER) E. L. POWERS COMPANY; American Electrical Directory & Buyers Manual 1899 (Published Quarterly 4 Issues . 7th edition, 1899. This thick volume contains more information and data on the early electrical supply and lighting companies than had ever been assembled before in one place. All the various lighting companies are described in detail, both Arc & Incandescent. Includes many illustrated ads for early apparatus. Originally in the Westinghouse collection, IEEE Libry 606 pages. Good condition. Very Rare. \$95.00

197. ATKINSON, PHILIP; The Elements of Electric Lighting . 6th edition, 1890. An early book on the subject, presenting much information on electric units, dynamos, arc lamps, incandescent lamps, measuring devices, etc. Many illustrations of early electrical apparatus are shown. A near perfect copy with no wear. 260 pages. 102 illus. Very Good condition. Scarce. \$40.00

198. COX, JAMES A.; A Century Of Light . 1st edition, 1979. The story of Edison and his invention of the incandescent light bulb. Profusely illustrated with many historical photos, including 44 in color. This was written expressly for the 100th anniversary of the discovery of electric light and includes a colorful dust jacket. 224 pages. 245 photos. Fine condition. Uncommon. \$20.00

199. DIERDORFF, JOHN; How Edison's Lamp Helped Light The West . 1st edition, 1971. The story of Pacific Power and Light Company and its pioneer forebears. Containing over 100 photos of early power plants, a multitude of information on the commercial power industry. 313 pages. Very Good condition. Uncommon. Dust Jacket. \$20.00

200. GENERAL ELECTRIC CO.; Apparatus for Arc Lighting . 3rd edition, 1903. An instruction book for the Thomson-Houston System arc light apparatus, designated as instruction book No. 8030. A thorough discussion is given of about the Type M Arc lamp, including the dynamo, controller, switchboard, ammeter, wattmeter and lightning arrester. 69 pages. 33 illus. Very Good condition. Rare. Softcover. \$45.00

201. GRIERSON, THOMAS B.; Electric Lighting By Water Power . 1st edition, 1883. One of the earliest accounts of domestic lighting produced by hydro- electric power. The Brush Dynamo and lamp are discussed regarding their superiority over other types. The advantages of electrical lighting over coal and gas lighting is also explored in detail. 44 pages. Very Good condition. Rare. \$65.00

202. HOLMES, A. BROMLEY; The Electric Light Popularly Explained . 5th edition, 1890. An early title encompassing all areas of electric lighting. Arc lamps, incandescent lamps, dynamos and associated measuring instruments are described in detail. A desirable volume, Though the spine has been repaired, this is first copy we've seen! 83 pages. 29 illus. Good + condition. Rare. \$55.00

Light Bulbs

203. HOWELL, JOHN W. AND SCHROEDER, HENRY; **The History of the Incandescent Lamp**. 1st edition, 1927. The first full-length book written on the history of the incandescent lamp. Profusely illustrated, this book covers the development of the dynamo from 1831, as well as the incandescent lamp back to 1820. Many rare lamps from 1879 - 1901 are shown. 208 pages. 98 photos. 25 illus. Very Good condition. Scarce. \$45.00

204. KEATING, PAUL W.; **Lamps For A brighter America**. 1st edition, 1954. A history of the General Electric lamp business. It contains an excellent early look into the invention and development of the incandescent lamp, and the vast industry that was spawned by it. A very informative book. 246 pages. Very Good condition. Uncommon. \$30.00

205. LEWIS, FLOYD A.; **The Incandescent Light**. 2nd edition, 1961. This book is packed with more photos and illustrations of early electric lightbulbs and dynamos than any I have seen before. The author tapped the archives of the Edison National Monument in West Orange, N.J., as well as Edison's own famous notebooks. Includes a nice illustrated dust jacket. 128 pages. 100 photos. 211 illus. Very Good condition. Uncommon. \$30.00

206. SAWYER, WILLIAM E.; **Electric Lighting By Incandescence**. 1st edition, 1881. A classical book on the incandescent lamp, written in its infancy. The state of the art in lighting in its time, it was written by one of the early pioneers in electric light. Includes many illustrations of early lighting apparatus. This is the first copy of the 1st edition we've ever had for sale! The spine has been reinforced, with original label. 189 pages. 96 illus. Good + condition. Very Rare. \$215.00

207. U.S. PATENT OFFICE; **Hewitt Patents**. 1st edition, 1917. A bound volume of 153 patents issued to Peter Cooper Hewitt, all pertaining to the Mercury Vapor lamp. Stamped "Patent Library- Bell Telephone Labs", this is a unique collection of information on the history of the vapor lamp. The patents are dated from June, 1897 to June, 1917 and an index is included. Nice! 700 pages. 300 illus. Good + condition. Extremely Rare. \$95.00

MEDICAL ELECTRICITY

208. BARTHOLOW, ROBERTS; **Medical Electricity**. 2nd edition, 1882. The exposition of electricity for medical purposes written by a practitioner for use by other practitioners and students. Contains many illustrations of rarely seen electrical apparatus. At the rear of the book is a 32 page medical catalog. The top 1/8" of the spine is chipped. A great book! 291 pages. 109 illus. Very Good condition. Rare. \$115.00

209. ERB, DR. WILHELM; **Handbook Of Electro-Therapeutics**. 1st edition, 1883. A knowledgeable account of the role electricity plays in the treatment of various human diseases. Almost half the book is dedicated to special electro-therapeutics, singling out some rare maladies, and their causes and treatments by electricity. 366 pages. 39 illus. Very Good condition. Rare. \$95.00

Medical Electricity

210. **WHITE, WILLIAM; Medical Electricity** . 2nd edition, 1882. A manual for students demonstrating the scientific and rational applications for all forms of acute and chronic disease. Different combinations of electricity, galvanism, electro-magnetism, and magneto-electricity are described. A very early title on the subject. 203 pages. Very Good condition. Rare. \$75.00

MOTORS/DYNAMOS

211. **AYKINSON, PHILIP; The Electric Transformation of Power and Its Application by the Electric Motor** . 1st edition, 1893. This book gives the essential facts in regard to the means by which electricity is employed as an agent for the transformation and transmission of power, and its application to the operation of motors. It covers both stationary motors and electrical railway applications, including central station equipment. 1st copy we've seen! 244 pages. 96 illus. Good + condition. Rare. \$45.00

212. **CROCKER, FRANCIS B. AND WHEELER, SCHUYLER S.; Practical Management of Dynamos and Motors** . 2nd edition, 1894. An excellent volume describing the principles and installation of dynamos and motors, including a section on the localization and remedy of troubles. Much early equipment is shown. 206 pages. 99 illus. Good + condition. Scarce. \$35.00

213. **HOUSTON, EDWIN & KENNELLY, A.E.; The Electric Motor and The Transmission Of Power** . 1st edition, 1896. An early history of the electromagnetic motor, covering all types and classes of motors, including A.C. and continuous current. Many oddball motors and their associated apparatus are described and illustrated. 377 pages. 122 illus. Very Good condition. Rare. \$85.00

214. **KING, W. JAMES; The Development Of Electrical Technology In The 19th Century** . 1st edition, 1962. This is bulletin 228 from the Smithsonian Museum Of History and Technology, covering the electrochemical cell and electromagnet. This book starts with the early researches of Galvani and Volta, and culminates with the invention of the electric motor, including Joseph Henry's electromagnet and Davenport's motor. Many nice illustrations! 41 pages. 71 illus. Fine condition. Uncommon. Softcover. \$25.00

215. **SMITH, CHARLES F.; The Practical Testing of Dynamos and Motors** . 1st edition, 1896. This book discusses the tests performed on dynamos & motors in great detail, explaining the procedures involved for every test. The use of the dynamometer is explored, as well as the various measurements made to show the efficiency of these machines. The top of the spine is chipped and the cover has some minor wrinkles. From The IEEE Library. 231 pages. 83 illus. Good + condition. Scarce. \$25.00

216. **WESTINGHOUSE ELECTRIC COMPANY; Handbook of Westinghouse Watthour Meters** . 1st edition, 1923. This book provides complete technical information on Westinghouse Watthour Meters, along with the historical development of the induction watthour meter. Many photos of early meters are shown, including the Edison Chemical meter. The rear cover is spotted. 160 pages. 288 illus. Very Good condition. Scarce. Softcover. \$25.00

MOTION PICTURES

217. AARONSON, CHARLES S. (EDITOR); **Motion Picture and Television Almanac 1952 - 1953** . 24th edition, 1952. This large volume contains authoritative information and statistics concerning the events, institutions and personnel of the entertainment world. Anything and everything about the Television and Motion Picture industry is contained in this book! The first 10 pages are slightly stained near the spine. 1012 pages. Good + condition. Rare. \$25.00

218. CAMERON, JAMES R.; **Motion Picture Projection and Sound Pictures** . 9th edition, 1943. This is the ninth revised edition of the standard authority, widely considered the most comprehensive and authentic work on motion and sound pictures up to the time. Profusely illustrated with photos and drawings of early moving picture apparatus. A very serious book on the subject! 586 pages. 548 illus. Very Good condition. Rare. \$25.00

219. LESCARBOURA, AUSTIN C.; **Behind The Motion Picture Screen** . 2nd edition, 1921. From A to Z in motion Picture, this volume explores all aspects in a behind the scenes view of the subject. The most incredible feature, however, is the insertion of a photo between every other page of text! These photos depict many pieces of early equipment, film, and sets. An embossed color cover shows a director & his cameraman. Very Nice! 424 pages. 210 photos. 94 illus. Very Good condition. Rare. \$95.00

220. MACILVAIN, K.M.; **Sound-Picture Recording and Projection** . 1st edition, 1931. Essentially two books in one, the first part covers the sound recording studios, recording systems and even stereoscopic & color pictures. The second part includes sound reproducing equipment, talking picture installations and operation & maintenance. The audio equipment described is exclusively Western Electric. Cover is chipped. 120 pages. 38 illus. Very Good condition. Scarce. \$20.00

221. SEABURY, WILLIAM MARSTON; **Motion Picture Problems: The Cinema and the League of Nations** . 1st edition, 1929. This book endeavors to examine the international problems that the motion picture industry encounters proposing a solution through the development of a cinema committee of the League of Nations. A Presentation copy signed by the author. 426 pages. Fine condition. Scarce. \$30.00

222. TALBOT, FREDERICK A.; **Practical Cinematography and It's Applications** . 1st edition, 1913. An early treatise on the art of moving pictures. The principles and applications of the new art are covered in detail, including the camera & its mechanism, film developing, X-ray and micro-photography, photo-plays, stage productions and the military value of the cinematograph. 1st copy we've seen! 262 pages. 90 illus. Good + condition. Rare. \$35.00

MISCELLANEOUS

Miscellaneous

223. BARR, W.E. AND ANHORN, VICTOR J.; **Scientific and Industrial Glass Blowing and Laboratory Techniques** . 1st edition, 1949. This book is a perfect teaching tool for the experimentalist who desires to perform glass-blowing. The main objectives of the book are to show the fundamental techniques in glass blowing; present advanced applications of high vacuum, silvering and the evacuation of glass jackets; and describe glass equipment for specific applications. 380 pages. 212 illus. Very Good condition. Scarce. \$45.00

224. BAUSCH, EDWARD; **Manipulation of The Microscope** . 4th edition, 1901. This book conveys, step by step, everything you ever wanted to know about the microscope and its many uses. The areas covered include its construction, applications and accessories. From The Engineering Societies Library. 202 pages. 60 illus. Very Good condition. Scarce. \$35.00

225. CARROLL, JOHN M.; **Secrets of Electronic Espionage** . 1st edition, 1966. This is the story of a secret war which continues today- electronic spying. It began 80 years ago with the interception of radio signals during WWII. This history includes everything from radar networks to person-to-person surveillance, providing an authentic account of the most modern forms of warfare. Ex-Library. 224 pages. 31 photos. Very Good condition. Scarce. Dust Jacket. \$20.00

226. DOLE, MALCOLM; **The Glass Electrode** . 1st edition, 1947. This is a detailed review and discussion of the glass electrode, its limitations and difficulties, methods and applications and mechanism and theory. It's use in amplifying vacuum tube circuits is explored, as well as it's early history and development. The definitive book on the subject! From The Oak Ridge Nuclear Library. 332 pages. 74 illus. Very Good condition. Scarce. \$55.00

227. DUSHMAN, SAUL; **Vacuum Technique** . 1st edition, 1949. An exhaustive study of the scientific foundations of vacuum technique. As Assistant Director at the General Electric Co. Laboratory in Schenectady, the author worked with Coolidge, Whitney & Langmuir and became well acquainted with all facets of vacuum. Ex-library. 882 pages. Good + condition. Rare. \$55.00

228. FRARY, FRANCIS C.; TAYLOR, CYRIL S. AND EDWARDS, JUNIUS D.; **Laboratory Glass Blowing** . 2nd edition, 1928. An easy to follow treatment of the subject designed with the student at heart. Areas discussed include glass & its working characteristics, bending, cutting, drawing out, joining, blowing a bulb, sealing in a a platinum wire, and joining glass to metal. 116 pages. 30 illus. Fine condition. Scarce. \$55.00

229. FULLER, FREDERICK L.; **My Half Century As An Inventor** . 1st edition, 1938. This is the story of Frederick Fuller, an inventor who patented many types of calculating machines, time clocks, cash registers and adding machines. Many photos of his apparatus are shown, along with his numerous patents. The preface was written by his close friend, Thomas J. Watson, of IBM fame. 241 pages. Very Good condition. Rare. \$40.00

Miscellaneous

230. KAHN, DAVID; *The Codebreakers* . 1st edition, 1967. The first and most comprehensive history of secret communication from ancient times to the threshold of outer space. Described are the events which molded modern cryptology, methods used to break cyphers, and especially many fascinating stories about the code breakers in action. Includes an extensive reference & bibliography section. 1164 pages. 35 photos. 160 illus. Very Good condition. Scarce. Dust Jacket. \$65.00

231. LACKLAND, WILLIAM; *Meteors, Aerolites, Storms, and Atmospheric Phenomena* . 1st edition, 1870. An interesting volume that containing chapters such as "Illumination of the Atmosphere"; Rainbows, Crowns and Halos"; "The Auroral Lights"; "Shooting Stars"; and "Instruments of Observation", which describes meteorological instruments used at the time. Contains some beautiful engravings. The spine is worn and chipped at the top. 324 pages. 23 illus. Good + condition. Rare. \$35.00

232. SLOAN, PROF. T. O'CONNOR; *Henley's 20th Century Book of Ten Thousand Formulas, Processes & Trade Secrets* . 6th edition, 1940. This large volume will prove a valuable reference for both amateur and professional, covering everything imaginable! Formulas (as well as methods) include many types of adhesives, plating, glass, materials for photographic processes, and varnishes. 809 pages. Good + condition. Scarce. \$20.00

PHONOGRAPH

233. DU MONCEL, COUNT; *The Telephone, The Microphone, and The Phonograph* . 1st edition, 1879. A first English edition of the famous treatise covering the telephone, microphone and phonograph. Included are all the various systems of telephones and phonographs developed up to the time. Many engravings of early apparatus are portrayed. A nice tight copy with a beautiful front cover, there are a couple of spots of paint on the rear cvr. 277 pages. 74 illus. Very Good condition. Rare. \$195.00

234. MCCLURE, J.B.; *Edison and his Inventions* . 1st edition, 1879. The first book published about Edison and his early work, including many incidents, anecdotes, and interesting particulars connected with the life of this great inventor. Includes full explanations of the telephone, phonograph, and electric light. Contains many rarely seen engravings of his early inventions. A beautiful copy! 207 pages. 59 illus. Very Good condition. Very Rare. \$195.00

235. PRESCOTT, GEORGE B.; *The Speaking Telephone, Electric Light, and Other Recent Electrical Inventions* . 1st edition, 1879. This exceedingly rare book is the first to describe and illustrate the telephone and the electric light in such detail together. A total of 291 pages are devoted to the telephone, with many illustrations. A chapter is also devoted to the phonograph. The top & bottom of the spine has been repaired, and the endpapers have been replaced. 616 pages. 319 illus. Good + condition. Very Rare. \$195.00

POST 1930 RADIO

236. (MANUSCRIPT); **Manuscript Collection of Norman F. Schlaack- Bell Telephone Laboratory Engineer** . 1st edition, 1934. This unique collection belonged to Norman Schlaack and consists of 3 Bell Labs notebooks from the 1930-1932 era loaded with tests and experiments in the development of VHF. Also included are 2 notebooks from 1954 containing many original photos, blueprints & data on the TD-2/TH microwave transmitter. This collection weighs over 12 pounds! Very Good condition. Very Rare. \$195.00

237. (TRADE CATALOG); **Hitachi General Catalog** . 5th edition, 1952. This is a mammoth catalog containing everything under the setting sun! From Vacuum tubes to Communications equipment; from locomotives to Street cars; from Scientific Instruments to transformers, it's all here. Includes many photos of the Hitachi works, laboratory, and even a historical overview. Printed entirely in English. From IEEE Library. 1026 pages. Good + condition. Scarce. \$55.00

238. **BOLTZ, C.L.; Everyman's Wireless** . 1st edition, 1932. If anyone is interested in learning wireless theory as well as the basic math involved from the ground up, this is the book for you. It is a thorough study, covering all aspects of the science. 335 pages. 209 illus. Good + condition. Uncommon. \$15.00

239. **BOND, DONALD S.; Radio Direction Finders** . 1st edition, 1944. An excellent book on the subject of Radio Direction Finding, This text a large percentage of the technicians involved in the war effort. The RCA - Sperry Mark I Radio Direction Finder is covered indepth. 287 pages. Very Good condition. Scarce. \$15.00

240. **BRACEWELL, RONALD N.; Paris Symposium On Radio Astronomy** . 1st edition, 1959. In 1958, a group of the world's leading researchers in radio astronomy came together to exchange information on the latest advances in the field. This volume outlines the developments presented, along with a unique bibliography of select items on the subject of radio astronomy. 612 pages. Fine condition. Scarce. Dust Jacket. \$45.00

241. **CAMM, F.J.; Wireless Coils, Chokes and Transformers and How To Make Them** . 1st edition, 1937. This book gives details on the design and construction of RF and audio coils & transformers. There are special chapters devoted to defective components, selectivity, coil winders and troubleshooting. Coil and transformer winding data tables are included. 178 pages. 126 illus. Good + condition. Scarce. \$20.00

242. **DOWSETT, H. M. AND WALKER, L.E.Q.; Handbook Of Technical Instruction For Wireless Telegraphists** . 7th edition, 1942. A complete textbook providing theory, and practical information on all types of transmitters and receivers. Profusely illustrated, this volume covers many specific receivers; RDF equipment, and transmitters including unusual Marconi Co. sets. Nice! 664 pages. 618 illus. Very Good condition. Scarce. \$30.00

Post 1930 Radio

243. **GHIRARDI, ALFRED A. AND JOHNSON, J. RICHARD; Radio and Television Receiver Circuitry and Operation** . 1st edition, 1958. A perfect book for the collector & restorer of 1930's to 1950's radio and television receivers. A straightforward, indepth study of the various circuits involved in the operation of radios & TV's. I used this book twenty years ago to gain the knowledge of both AM and FM circuits. Excellent! 669 pages. 650 illus. Very Good condition. Scarce. \$20.00

244.. **HEATH COMPANY; Heathkit Technical Bulletins** . 1st edition, 1952. A set of 12 bulletins bound in the original Heath Co. binder including an index and reference sheet. These bulletins cover various applications of the Heath oscilloscope, VTVM, audio generator, tube checker and others. 120 pages. Very Good condition. Scarce. \$45.00

245. **HOWARD W. SAMS; Auto Radio Service Data Manual Volumes 1, 2, 3** . 1st edition, 1949. This is a set of the first 3 volumes of Sams' Auto Radio Service Manuals. Dated from 1949 to 1953, these contain much data to enable you to repair your vintage car radio. 600 pages. Very Good condition. Scarce. Softcover. \$30.00

246. **MARCUS, ABRAHAM; Radio Servicing: Theory and Practice** . 1st edition, 1951. The Sherlock Holmes approach to radio servicing. A practical guide to trouble-shooting which aids the serviceman in reaching a quick logical analysis. This is probably one of the best books written on the subject of using test instruments to troubleshoot the radio receiver. 775 pages. 513 illus. Very Good condition. Uncommon. \$15.00

247. **MARKUS, JOHN; Television and Radio Repairing** . 2nd edition, 1961. This volume was written by the feature editor of "Electronics" magazine, considered an expert in his field. Covers all areas of radio troubleshooting with a minimum of theory and mathematics, containing simple step-by-step instructions for testing, repairing and replacing of parts. 568 pages. 287 illus. Very Good condition. Uncommon. \$20.00

248. **RCA ENGINEERS; Radio at Ultra-High Frequencies** . 1st edition, 1940. This volume contains technical papers written by RCA engineers on propagation, transmission, relaying, measurement, and reception above 30 MHZ. One of the first books dedicated to the world of UHF. Includes many photos and illus. of VHF equipment. 448 pages. Very Good condition. Uncommon. Softcover. \$20.00

249. **RCA MANUFACTURING CO.; RCA Victor Service Notes for 1940** . 1st edition, 1941. This volume of the famous RCA Service Notes covers radio receivers, victrolas, television and test equipment. A cross index is included encompassing GE, Westinghouse and Graybar models. A general index for all the RCA service notes, from 1923 to 1940 inclusive, is also provided, as well as previously unpublished data on 1923-1932 models. 352 pages. Good + condition. Scarce. \$20.00

Post 1930 Radio

250. SANDRETTA, P.C.; **Principles of Aeronautical Radio Engineering** . 1st edition, 1942. An early book on the subject, published around the advent of WWII. Fundamental principles are discussed, giving specific emphasis to aeronautical applications such as systems design, direction finding, instrument landing and radio beacons are explored in depth. 414 pages. 228 illus. Very Good condition. Uncommon. \$20.00

251. STURLEY, K.R.; **Radio Receiver Design** . 1st edition, 1947. In two volumes, this set contains the fundamentals of radio design from tubes to intricate circuits, recommending a sound basis of mathematical theory. This material is the result of lectures given at Marconi's School of Wireless Communication. An excellent bibliography is included at the end of each chapter. 915 pages. 493 illus. Very Good condition. Rare. \$40.00

252. TERMAN, FREDERICK; **Measurements In Radio Engineering** . 1st edition, 1935. This comprehensive engineering text discusses the measuring problems encountered in the radio field. All circuits and techniques are discussed in depth, with many experiments explained in detail. 400 pages. 210 illus. Fine condition. Uncommon. \$20.00

253. VIGOUREUX, P. AND BOOTH, C.F.; **Quartz Vibrators and Their Applications** . 3rd edition, 1950. Profusely illustrated with many photos, this one of the first volumes printed on the subject of Quartz crystals. Many experiments and applications are included, as well as an extensive 8 page bibliography. From the Marconi Research Library at Baddow! The cover is slightly worn along the edges. 371 pages. 64 photos. 186 illus. Good + condition. Scarce. \$30.00

254. ZENITH RADIO CORP.; **Zenith Radio Co. Service Manual** . 1st edition, 1937. This is a 1" thick service and parts manual for the 1937 Zenith receivers. Possibly including every set from that year. The front The front cover is frayed along the edges. 264 pages. Good + condition. Scarce. Softcover. \$25.00

255. ZEPLER, E. E.; **The Technique of Radio Design** . 1st edition, 1943. Drawing on his experiences from many years of radio designing, the author focuses on the regular problems encountered with development and testing of radio receiving equipment. Includes a chipped dust jacket. 310 pages. 260 illus. Very Good condition. Scarce. \$20.00

PHYSICS

256. JNANANANDA, SWAMI; **High Vacua- Principles, Production and Measurement** . 1st edition, 1947. This book represents the culmination of four decades of work with vacuum pumps, describing variations and modifications necessary for efficient operation. The fundamentals of gases are discussed, as well as measuring devices, getters, and gauges associated with vacuum work. An excellent reference on the subject. From The Oak Ridge Tech Library 310 pages. 133 illus. Good + condition. Rare. \$55.00

RADAR

257. DUNLAP, ORRIN E.; **Radar... What Radar is And How It Works** . 2nd edition, 1948. The author traces the history of radar from Hertz's wave experiments to push-button warfare. He then looks ahead to its promising future and peacetime applications. Contains a comprehensive 11 page bibliography on books, articles and patents dating from 1893. The front cover is stained along the spine edge. 268 pages. Good + condition. Uncommon. \$25.00

258. FINK, DONALD G.; **Radar Engineering** . 1st edition, 1947. This book covers the theory and practice of radar technology describing various radar systems developed and used during the World War II. It also explains in technical detail the design of specific apparatus used in radar equipment. 644 pages. 471 illus. Very Good condition. Uncommon. Dust Jacket. \$40.00

259. HORNUNG, J.L.; **Radar Primer** . 1st edition, 1948. This book gives a clear and comprehensive viewpoint of the elements of radar and other important applications of pulse technic, including television, and pulse communication systems. Includes a nice history and reference bibliography. Contains many photos of early radar apparatus. 218 pages. 122 illus. Very Good condition. Uncommon. \$30.00

260. SNELL, ROY J.; **Secrets Of Radar** . 1st edition, 1944. This is obviously the first fiction on the subject of radar, as it was published during World War II. Includes a nicely illustrated dust jacket missing a 1 1/2" piece from the spine. 243 pages. Very Good condition. Scarce. \$25.00

261. STAFF OF RADIO RESEARCH LABORATORY- HARVARD UNIVERSITY; **Very High Frequency Techniques** . 1st edition, 1947. Contained in two volumes, this rarely seen set is the end result of Harvard's research during WWII into developing countermeasures against enemy Radar, and improvements for our own VHF applications. These volumes were organized and prepared by Dr. F.E. Terman. 1057 pages. Very Good condition. Rare. \$70.00

262. WATSON-WATT, SIR ROBERT; **The Pulse Of Radar** . 1st edition, 1959. This is the autobiography of Sir Watson-Watt, one of the inventors of radar. Here he recounts how he experimented through a veil of secrecy during WWII, and succeeded in producing the first radar stations. A very nice copy including the dust jacket. 438 pages. Very Good condition. Scarce. \$55.00

SOUND/AUDIO

263. (TRADE CATALOG); **Sun Radio Co.** . 1st edition, 1950. This catalog consists of two parts, the first contains 30 pages on the explanation of high fidelity reproduction of music. The next part is a catalog of all types of HI-FI equipment, including tuners, amplifiers, speakers and turntables by such famous names as Bogen, E-V, Meissner, Altec, Browning, Radio Craftsman, Scott, Stephens and Western Electric. 64 pages. Very Good condition. Scarce. Softcover. \$35.00

Sound/Audio

264. BERANEK, LEO L.; *Acoustics* . 1st edition, 1954. This famous volume provides a concise treatment of the subject with emphasis on loudspeakers & enclosures, horns, microphones, circuits and the theoretical background involved. A fine copy with almost no wear. 481 pages. 326 illus. Fine condition. Scarce. \$55.00

265. BRIGGS, G.A.; *Sound Reproduction* . 3rd edition, 1958. Another Briggs' classic encompassing all aspects of recording and reproducing sound in a non-technical language, and enlivened with touches of humor. Profusely illustrated with many photos of vintage sound equipment such as tape recorders, turntables and speakers. 368 pages. 193 illus. Very Good condition. Uncommon. Dust Jacket. \$35.00

266. CROWHURST, NORMAN H.; *Basic Audio* . 1st edition, 1959. This is Volume 2 only, of a three volume set. It covers audio amplification, interstage coupling, noise & distortion, frequency response, power amplification, push-pull, phase splitting circuits and audio transformers. Written by one of the premier authorities on the subject of audio. Highly Recommended! 122 pages. Very Good condition. Scarce. Softcover. \$25.00

267. CROWHURST, NORMAN H. AND COOPER, GEORGE F.; *High Fidelity Circuit Design* . 1st edition, 1956. This book incorporates the best audio amplifier design ideas from two of the foremost engineers and designers of high-fidelity equipment. Chapters include negative & positive feedback, power supplies, high power amplifiers, filters, equalizers and advanced techniques. Test equipment & methods are also covered in depth, as well as distortion. 303 pages. 210 illus. Very Good condition. Rare. Dust Jacket. \$85.00

268. DARR, JACK; *How To Test... Almost Everything Electronic* . 1st edition, 1966. This is a great book for those who want to learn more about the tests and measurements of electronic circuits. The important part of this volume is not only performing the test, but also how to interpret them! It covers power supplies, VOM-VTVM tests, Signal Tracing, Oscilloscope and component tests. 160 pages. 147 illus. Very Good condition. Uncommon. \$15.00

269. G.E.C. VALVE AND ELECTRONICS DEPARTMENT (PUBLISHERS); *An Approach To Audio Amplifier Design* . 1st edition, 1957. This book was prepared under the auspices of the G.E.C. Valve Dept. with the aim of presenting, in a readily accessible form, the essential details & circuit diagrams of a comprehensive range of audio amplifiers. They range from a 5 watt "Junior" to an 1100 watt Class AB2 Behemoth, a total of 17 amps. The cover is stained, & dj taped. 126 pages. Good + condition. Rare. \$75.00

270. GENERAL ELECTRIC CO.; *Audio Service Guide Volume 1 1958 - 1964* . 1st edition, 1965. This publication contains technical information on all General Electric phonographs, portable and console models, manufactured from 1958 through 1964 inclusive. It includes model specs, circuit diagrams, component board layouts, parts lists and exploded views. 295 pages. Good + condition. Scarce. Softcover. \$20.00

Sound/Audio

271. JOHN F. RIDER -PUBLISHER; Rider's Tape Recorder Manual Volume #1 . 1st edition, 1955. This compilation of service data includes all models from 1950 through 1954, and contains the service information as well as many illustrations of the recorders involved. The data is accurate and authentic, having been procured directly from the manufacturers of the devices. A seldom seen volume! 286 pages. Very Good condition. Scarce. Softcover. \$30.00

272. LANDEE, ROBERT W.; DAVIS, DONOVAN C.; & ALBRECHT, ALBERT P.; Electronic Designers' Handbook . 1st edition, 1957. In this single volume, you have the theoretical and mathematical concepts of electronic circuit design, plus detailed and comprehensive design information and techniques. Included are all the necessary graphical and tabular data needed to carry out the design function, with many examples throughout on the design of amplifier circuits 1016 pages. 982 illus. Fine condition. Scarce. \$45.00

273. LANGFORD-SMITH, F.; Radiotron Designer's Handbook . 4th edition, 1953. This famous handbook was prepared expressly for the radio set designer but is also an invaluable reference for audio engineers, experimenters and service mechanics. Profusely illustrated, this mammoth edition contains much on audio circuits, feedback, and radio frequency amps, the work of 10 authors and 23 collaborating engineers. A super book!! 1482 pages. 999 illus. Good + condition. Scarce. \$115.00

274. MCLACHLAN, N.W.; Elements Of Loud Speaker Practice . 1st edition, 1935. A complete study of the subject, devoid of mathematics and intricate technical details. This book contains a historical survey, as well as the various driving mechanisms, baffles, magnets, and design of horns. Acoustics and distortion are also covered in detail. 157 pages. 92 illus. Very Good condition. Scarce. \$45.00

275. MCLACHLAN, N.W.; Loudspeakers . 1st edition, 1934. A landmark volume on the theory, performance, testing, and design of loudspeakers. This book gives a complete treatment of the practice and application of various types of raw speakers as well as the enclosures. An extensive bibliography including 228 entries is included. A nice addition to your audio library. 399 pages. 165 illus. Very Good condition. Rare. \$120.00

276. OLSON, HARRY F.; Dynamical Analogies . 1st edition, 1944. A must for the Acoustical engineer, Olson devised a method of solving problems by comparing them to electrical circuits, using these analogies in the development of electro-acoustic transducers. This is a very nice copy of the 3rd printing. 196 pages. Very Good condition. Scarce. \$60.00

277. OLSON, HARRY F.; Musical Engineering . 1st edition, 1952. An engineering treatment of the interrelated subjects of speech, music, musical instruments, acoustics, sound reproduction and hearing. Contains many drawings and illustrations. A hard to find title! 369 pages. Very Good condition. Rare. \$65.00

Sound/Audio

278. OLSON, HARRY F.; *Elements Of Acoustical Engineering* . 1st edition, 1942. Originally presented at Columbia University as a series of 30 lectures, combining the fundamental principles of modern acoustics with a description of acoustical instruments and systems. A seldom seen reference for the acoustical engineer. Includes many drawings and illustrations. This is the 2nd printing. 344 pages. Very Good condition. Scarce. \$85.00

279. ORINGEL, ROBERT S.; *Audio Control Handbook For Radio and TV Broadcasting* . 1st edition, 1956. This book presents a clear and comprehensible description of audio control equipment and operation. Many diagrams and photographs supplement the text, clarifying points that might otherwise be obscure. Contains many great photos of early professional equipment, such as control boards, microphones and studios. 145 pages. 126 illus. Very Good condition. Scarce. Dust Jacket. \$45.00

280. SENTZ, ROBERT E.; *Voltage and Power Amplifiers* . 1st edition, 1968. This book discusses the principles & applications of voltage (small signal) and power (large signal) amplifiers. Although an integrated approach (transistor and vacuum tube) is used, emphasis is on the transistor circuits, and their vacuum tube counterparts are included merely to complete the discussion. 282 pages. 263 illus. Very Good condition. Uncommon. Softcover. \$15.00

281. SMITH, J. ERNEST; *Simplified Filter Design* . 1st edition, 1939. This book presents a short-hand method of accurate filter design. It supplements the usual filter theory with a system of graphs which eliminate the necessity for cumbersome and involved mathematical calculations. It is a tool of great practical utility for the design engineer. Published by The RCA Institute, from The Radio Craft Library 57 pages. 34 illus. Very Good condition. Scarce. \$30.00

282. TURNER, RUFUS P.; *Basic Electronic Test Instruments* . 2nd edition, 1953. This book describes the construction and use of all types of test instruments used in the electronics field. Covered are VTVM's, wattmeters & decibel meters, impedance meters, audio test oscillators, oscilloscopes and audio amplifier testing devices. The first time we've seen this edition! Includes a nice dust jacket. 254 pages. 182 illus. Very Good condition. Scarce. \$20.00

283. VALKENBURGH, VAN; NOOGER & NEVILLE INC.; *Basic Electronics* . 1st edition, 1955. This large book contains 5 volumes and is published by Rider Publications Inc.. If you need to learn about electronics and want the easy way out, then this is the way to go! From power supplies to audio amplifiers, this profusely illustrated (over 1000 line drawings) volume covers it all! 518 pages. Good + condition. Uncommon. \$15.00

284. WALKER, R.C. AND LANCE, T.M.C.; *Photoelectric Cell Applications* . 3rd edition, 1938. A practical book describing the uses of photoelectric cells in scanning disc television, talking pictures, etc. Contains many photos and illust. concerning the application and development of the photocell. An early book on the subject. 336 pages. 80 photos. 120 illus. Very Good condition. Scarce. \$30.00

Sound/Audio

285. **WOOD, ROBERT WILLIAMS; Supersonics- The Science Of Inaudible Sounds**
. 1st edition, 1939. Originally presented as lectures, the history and early development of supersonics is thoroughly explained and illustrated. Possibly one of the first histories on the subject. 159 pages. 42 illus. Very Good condition. Scarce. \$20.00

SCIENCE FICTION

286. **GERNSBACH, HUGO; Ralph 124C41+ A Romance Of The Year 2660** . 2nd edition, 1958. This hard to find paperback edition is what may be classified as a historic science fiction book. In it, Hugo presents a very accurate picture of what the future will be like, predicting such far out things as radar, solar energy, space travel, and a host of others. This is the first edition in paperback of the 1925 hardcover book. 142 pages. 16 illus. Very Good condition. Rare. \$35.00

SCIENCE & TECHNOLOGY

287. **WIGHTMAN, W.P.D.; The Growth of Scientific Ideas** . 1st edition, 1953. From Thales to the present, the author follows the birth and development of the great ideas of science. He makes associations with the time periods, and the events which led to major discoveries. A fine reference for the science historian. 495 pages. 33 illus. Very Good condition. Scarce. Dust Jacket. \$15.00

288. **WOODBURY, DAVID O.; The Glass Giant Of Palomar** . 1st edition, 1941. The human story behind American astronomy culminating in the world's largest telescope. One of the biggest engineering stories of the 20th century, this well written book details every step, including the many mistakes involved with producing a 200 inch telescope. Written by the author of Elihu Thomson's biography. 368 pages. 22 photos. Very Good condition. Uncommon. \$20.00

TELEPHONE

289. **BALDWIN, F.G.C.; The History Of The Telephone In The United Kingdom**
. 1st edition, 1925. A monumental & wonderful work on the subject, incorporating as complete a record as possible for the telephone historian and collector. The author takes the reader from Bell's invention & its introduction in England to the 1920's. Many excellent photos accompany the fascinating text. The cover is nicely embossed in gold! 728 pages. 186 illus. Very Good condition. Very Rare. \$175.00

290. **BELL, ALEXANDER GRAHAM; The Mechanism Of Speech** . 4th edition, 1910. This rarely seen volume is the only book ever written by A.G. Bell. This book is the result of Bell's research in aiding the deaf, including his mother and wife. Contains many illustrations of the mouth, throat, and larynx in their relation to speech. 133 pages. Fine condition. Rare. \$65.00

Telephone

291. DENNISON, R.T.A.; **Private Automatic Branch Exchanges** . 1st edition, 1929. An extensive overview of the branch exchange system of automatic telephony geared towards those already familiar with its general principles. The main systems covered include Strowger, Siemens Bros, Standard and Relay, all of which show fine illustrations using numerous folding plates. 291 pages. 99 illus. Very Good condition. Scarce. \$25.00

292. DOLBEAR, A.E.; **The Telephone** . 1st edition, 1877. The first book ever printed on the telephone. Contains directions for making a speaking telephone. The author, in 1882, produced a workable wireless telegraph apparatus which he patented. The front and rear covers contain an embossed illustration of an early telephone. A historical book for the discriminating collector! From The Tufts Libr. 128 pages. 17 illus. Good + condition. Very Rare. \$165.00

293. GIBSON, CHARLES R.; **Telephones and Gramophones** . 1st edition, 1925. The highlight of this volume is the wonderful photos and descriptions of early apparatus including Bell's first telephone. A chapter is devoted to the Otophone; (using selenium, lenses and a rotating disc, a blind person is able to read a book!) The development of the first phonograph is also covered in detail. Includes a nice dust jacket. 80 pages. 26 illus. Very Good condition. Scarce. \$35.00

294. GOVERNMENT PRINTING OFFICE; **Handbook of Telephones of The Signal Corps, U.S. Army** . 1st edition, 1903. A manual for the installation, operation, and maintenance of telephone and electrical equipment of the Signal Corps. Many photos and illustrations of early telephone apparatus are included, along with construction details for switchboards and wiring. This is designated as Signal Corps Manual # 1. There is a 2" stain on the front cover. 66 pages. 49 illus. Good + condition. Rare. \$65.00

295. GREGOR, ARTHUR; **Bell Laboratories** . 1st edition, 1972. This book describes the history & inventions that emanated from the largest and most important laboratory in the world. The development of the transistor and picturephone are discussed, and the reader is given an intimate look inside the lab itself. Profusely illustrated, including a detailed chronology. 125 pages. Fine condition. Scarce. Dust Jacket. \$25.00

296. HILL, J.G.; **Telephonic Transmission** . 1st edition, 1920. This volume covers both the theoretical and practical applications of the laws of telephonic transmission, including the solution of cost problems and standard cable practice. The use of the vacuum tube as an amplifier and relay are explored in the last chapter. This book is from the Research & Development Laboratory of Marconi Wireless Company 398 pages. 196 illus. Good + condition. Rare. \$45.00

297. HOMANS, JAMES E.; **ABC Of The Telephone** . 2nd edition, 1904. A practical and useful treatise for workers in telephony, giving a review of the development of the industry to 1900, and full descriptions of numerous valuable inventions and appliances, together with many illustrations, diagrams and tables. 335 pages. 268 illus. Good + condition. Scarce. \$35.00

Telephone

298. HOPKINS, WILLIAM J.; **The Telephone: Outlines of The Development of Transmitters and Receivers** . 1st edition, 1898. This is the first book that gives a clear and connected explanation of the principles underlying the action and design of telephone transmitters and receivers. The historical side of the telephone is looked at in depth, as well as investigations into both the granular and electro-magnetic instruments. This is the first copy we've seen! 83 pages. 48 illus. Very Good condition. Very Rare. \$95.00

299. HOUSTON, EDWIN J. AND KENNELLY, A.E.; **The Electric Telephone** . 1st edition, 1896. A generously illustrated work on the telephone covering all forms then in use. The microphone transmitter, switchboards, receivers, the induction coils, and long distance telephony are discussed. In this edition a chapter on "Radiophony" is included, showing various methods of transmitting W/O wires. A very nice copy! 412 pages. 143 illus. Very Good condition. Rare. \$85.00

300. LOCKWOOD, T.D.; **Practical Information For Telephonists** . 2nd edition, 1893. One of the earliest books on the telephone, it presents many facts and figures about the speaking telephone, the Blake transmitter, telephone lines, switchboard, and batteries. The daily routine of the telephone inspector and the knowledge needed for repairs is also discussed. 192 pages. Good + condition. Rare. \$85.00

301. MACMEAL, HARRY B.; **The Story of Independent Telephony** . 1st edition, 1934. This is a history of the development of the independent telephone industry. Beginning with the birth and growth of the telephone, this book portrays the bitter fight between the Bell interests and the other phone companies. Contains much detailed information on the independent manufacturers and phone companies. 289 pages. Fine condition. Scarce. \$35.00

302. MILLER, KEMPSTER B.; **American Telephone Practice** . 4th edition, 1905. This profusely illustrated volume covers the history and principles of all the early telephone receivers and transmitters, along with induction coils, switchboards, overhead and underground cable construction. The binding has been rebacked, using the original spine, and new endpapers have been installed. 888 pages. 643 illus. Good + condition. Scarce. \$40.00

303. POOLE, JOSEPH; **The Practical Telephone Handbook** . 7th edition, 1928. A profusely illustrated work covering receivers, transmitters, signaling apparatus, switchboards, and exchanges. An excellent 15 page history is included, as well as many illustrations of early apparatus. Includes many folding plates and diagrams. 870 pages. 687 illus. Very Good condition. Scarce. \$30.00

304. PREECE, WILLIAM H. AND STUBBS, ARTHUR J.; **A Manual Of Telephony** . 1st edition, 1893. A wonderful history of the telephone, outlining its theoretical aspects and practical applications. Many illustrations of early equipment complement the text; a must for the telephone historian. A thorough account of the early days of telephony by one of its pioneers. 508 pages. 333 illus. Very Good condition. Rare. \$75.00

Telephone

305. RHODES, FREDERICK LELAND; *Beginnings of Telephony* . 1st edition, 1929. This volume is probably the best history and reference book on early telephony written before 1930. The early Bell patents are thoroughly described, and many photos of early telephone equipment are included. Contains an excellent bibliography and appendices. 261 pages. 30 photos. 24 illus. Very Good condition. Scarce. \$55.00

306. SHEA, T.E.; *Transmission Networks And Wave Filters* . 1st edition, 1965. This book is concerned with the design and development of wave filters and networks as applied in telephone service. The author was an engineer at Bell Telephone Labs, and some of his fellow scientists also contributed to this volume. This is the twelfth printing of the first edition. 470 pages. 263 illus. Very Good condition. Uncommon. \$20.00

307. WALSH, J. LEIGH; *Connecticut Pioneers In Telephony* . 1st edition, 1950. This volume presents the origin and growth of the telephone industry in Connecticut, which proved to be the center of early development in the 1876-1886 period. It was in New Haven where the world's first exchange was used in 1878. The appendix contains many biographies and references. Published by the Telephone Pioneers of America. 444 pages. 56 illus. Fine condition. Scarce. \$25.00

TELEGRAPHY

308. (TRADE CATALOG); J.H. Bunnell & Co. . 1st edition, 1924. A hard to find edition of catalog #29, this extensive catalog includes lots of nice telegraph apparatus including insulators, keys, sounders, relays and even a number of pages of wireless apparatus including Grebe, DeForest, and other makers. The cover has a piece of wide cellophane tape reinforcing the spine. 241 pages. Good condition. Rare. Softcover. \$75.00

309. ABBOT, CHARLES GREELEY; *Great Inventions* . 1st edition, 1938. A selection of important inventions noted especially for their great influence on our lives, written in an easily understood fashion. The telegraph & telephone, X-Ray and electric light are among the topics complemented with many photos. This is published by the Smithsonian Institution Series and contained in a nice binding. 383 pages. 123 photos. 61 illus. Very Good condition. Uncommon. \$20.00

310. BATES, DAVID HOMER; *Lincoln In The Telegraph Office* . 1st edition, 1907. An account of the author's recollections of the United States during the Civil War, as manager of the War Dept. telegraph office, and cipher operator. He relates his experiences during these important times. A must for the telegraph historian's library. 432 pages. 23 illus. Very Good condition. Rare. \$85.00

311. DIBNER, BERN; *The Atlantic Cable* . 1st edition, 1959. This book traces the laying of undersea telegraph cables from the first expedition across the English Channel in 1851, through the many trials of the Transatlantic cable. Included are many fine illustrations and an excellent bibliography, as well as a folding map showing the routes of the various expeditions. 96 pages. 52 illus. Very Good condition. Uncommon. Softcover. \$20.00

Telegraphy

312. DODGE, G.M.; *The Telegraph Instructor* . 7th edition, 1921.
Designed for use by the student of railroad and wireless telegraphy. A well written textbook explaining the theory and application of telegraphy. This is the latest and most complete edition of this book that I've seen. 297 pages. 36 illus. Fine condition. Uncommon. \$35.00

313. GOVERNMENT PRINTING OFFICE; *A Memorial Of Joseph Henry* . 1st edition, 1880. This large volume contains the memorial proceedings, as well as addresses, discourses, and memoirs concerning Joseph Henry. "The Scientific Work Of Joseph Henry" by William B. Taylor is also included as well as a list of his scientific papers. Cover is lightly spotted, but it is a nice tight copy. 528 pages. Good + condition. Scarce. \$65.00

314. GREY, ZANE; *Western Union* . 1st edition, 1939. This is the epic tale of the men who constructed the telegraph line through a thousand miles of wilderness. Buffalo stampedes, Indians, prairie fires and even floods were elements of the life of constant peril and excitement presented in this thrilling story. 297 pages. Good + condition. Scarce. \$25.00

315. HARLOW, ALVIN F.; *Old Wires and New Waves* . 1st edition, 1936. A fine comprehensive history of the telegraph, telephone and wireless. A landmark edition referred to by many, it contains an excellent 12-page bibliography. Profusely illustrated, this book belongs on every telegraph and wireless historian's bookshelf. An extra nice copy of a hard to find title. 548 pages. 71 photos. Very Good condition. Rare. \$140.00

316. HERBERT, T. E.; *Telegraphy* . 3rd edition, 1916. A detailed exposition of the telegraph practice of the British Post Office. Prepared over a four year period, it encompasses both theory and application of the telegraph instruments used by the operator. Includes hundreds of photos and illustrations of telegraph apparatus. Somewhat worn, but this copy is from The Marconi Wireless Tel. Library 985 pages. 628 illus. Good condition. Scarce. \$65.00

317. HOUSTON, EDWIN J. AND KENNELLY, A.E.; *Electric Telegraphy* . 1st edition, 1896. A generously illustrated work on telegraphy covering all forms then in use. Duplex, quadruplex, and multiplex telegraphy as well as facsimile and printing telegraphy are thoroughly explained. Included is the operation and maintenance of submarine telegraphy. 448 pages. 163 illus. Very Good condition. Rare. \$135.00

318. HUBBARD, GEOFFREY; *Cooke And Wheatstone And The Invention Of The Electric Telegraph* . 1st edition, 1965. This work covers the invention and early exploitation of the electric telegraph. Many rare forms of the telegraph are shown and discussed, generally prior to the year 1845. A very informative book. 158 pages. 19 illus. Fine condition. Uncommon. Dust Jacket. \$30.00

Telegraphy

319. MAVER, WILLIAM JR.; *American Telegraphy: Systems Apparatus Operation* . 5th edition, 1912. This famous book by Maver contains all information on the various telegraph systems known up until that time. Included are galvanometers and stocktickers, fire alarm telegraphs & the Edison Phonoplex System. The best reference book on early telegraph apparatus, this copy is a high quality Lindsay reprint nicely bound in simulated leather! 1997 695 pages. 544 illus. Fine condition. . \$35.00

320. McDONALD, PHILIP B.; *A Saga of the Seas* . 1st edition, 1937. This fine book tells the story of the laying of the first Atlantic Cable and the New York merchant, Cyrus W. Field, who made it possible by his enlistment of British engineers and ships. This chronicle relates how the difficult feat was accomplished after many years of failure. From The Teleglobe Canada Library. 288 pages. 11 photos. Very Good condition. Scarce. \$30.00

321. PHILLIPS, WALTER P.; *Sketches Old and New* . 1st edition, 1897. A collection of some articles on early telegraphists, originally written under the pen name of John Oakum for "The Telegrapher". Includes a chapter on Phillip's Morse Automatic Telegraph, an address entitled "From Franklin to Edison", a "Phillips Code" insert, and a 4-page Bunnell catalog. 248 pages. Very Good condition. Rare. \$95.00

322. PRESCOTT, GEORGE B.; *History, Theory, and Practice of the Electric Telegraph* . 4th edition, 1866. This book explains the principles and operations of the various systems of telegraphy. Included is much history on electricity and electromagnetic theory. Contains many nice illustrations of early apparatus. This is a quality reprint published in 1972 by Frank Jones. 508 pages. 111 illus. Fine condition. Uncommon. \$25.00

323. RUSSELL, W.H.; *The Atlantic Telegraph* . 1st edition, 1866. A classic volume and the most colorful chronicle on the subject. 27 Magnificent lithograph plates show vessels, machinery & various landing sites. The progress of the "Great Eastern" is well narrated- a romantic account with a strong basis of fact. This is a quality reprint published by the Naval Institute Press around 1970. 117 pages. 27 illus. Very Good condition. Very Rare. Dust Jacket. \$45.00

324. SMITH, T. JARRARD; *The Philosophy and Practice of Morse Telegraphy* . 1st edition, 1897. Published by the Manhattan Supply Company, this is a primary rationale and practical guide for young telegraphers. In addition to teaching the basics of the Morse code, the science of telegraphic apparatus is fully covered. Included is a 50 page catalog showing telegraph and telephone apparatus for sale. Covers are soiled & a few pages chipped. 96 pages. Good + condition. Rare. Softcover. \$65.00

325. THOMPSON, ROBERT LUTHER; *Wiring A Continent* . 1st edition, 1947. This is the complete history of the telegraph industry in the United States from 1832 - 1866. The invention of the telegraph, along with the formation of the companies, the litigation, and other problems are well covered here. An extensive bibliography is also included. 544 pages. 73 illus. Very Good condition. Uncommon. \$85.00

TESLA & HIGH VOLTAGE

326. (PERIODICAL); **The Century Illustrated Magazine**; June, 1900 . 1st edition, 1900. This issue of Century Magazine includes a 37 page article by Nikola Tesla about some of his recent discoveries. The article is titled "The Problem of Increasing Human Energy With Special Reference To The Harnessing Of The Sun's Energy". Includes some super photos of high voltage experiments. The spine is chipped & the back cover is missing. 320 pages. 10 photos. Good condition. Rare. Softcover. \$45.00

327. **CRAGGS, J.D. AND MEEK, J.M.; High Voltage Laboratory Technique** . 1st edition, 1954. With a combined total of over 20 years experience in the high-voltage Research Department at Metropolitan-Vickers, the authors have put it all together for the serious high voltage experimenter. Some of the chapters include Generation Of High Voltage AC, Rotating and sphere spark gaps, Measurement of high voltage etc.. 404 pages. 368 illus. Very Good condition. Rare. \$85.00

328. **HUNT, INEZ & DRAPER, WANETTA W.; Lightning In His Hand: The Life Story Of Nikola Tesla** . 1st edition, 1964. Written to inspire young scientists and ensure Tesla wouldn't be forgotten, the authors worked with the Library Of Congress to include previously unpublished correspondence in this new account. Includes a nicely illustrated dust jacket. 269 pages. 18 photos. Very Good condition. Scarce. \$40.00

329. **MARTIN, THOMAS COMMERFORD; Inventions, Researches And Writings Of Nikola Tesla** . 2nd edition, 1986. A rarely seen volume that contains special reference to his work in Polyphase Currents and High Potential Lighting. Profusely illustrated with many of his experiments on High Frequency. This copy is a 1986 reprint of the original which was printed in 1894. 496 pages. 313 illus. Fine condition. Common. Dust Jacket. \$20.00

330. **MARTIN, THOMAS COMMERFORD; Inventions, Researches And Writings Of Nikola Tesla** . 1st edition, 1894. Seldom seen, this volume provides special reference to Tesla's work in Polyphase Currents and High Potential Lighting. Profusely illustrated with many of his experiments on High Frequency, A rarely seen first edition of a very important work. The nicest copy we've ever had for sale! 496 pages. 313 illus. Very Good condition. Very Rare. \$255.00

331. **MILLER, SAMUEL C. AND FINK, DONALD G.; Neon Signs** . 2nd edition, 1952. A complete picture of the manufacture of neon signs, their installation and maintenance. beginning with the fundamental process and operation, and developing into more advanced and intricate designs. Interspersed with many photos and illustrations of the pumping, bending and electrical equip. A classic work on the subject. 395 pages. 168 illus. Fine condition. Rare. Dust Jacket. \$45.00

332. **O'NEIL, JOHN J.; Prodigal Genius; The Life Of Nikola Tesla** . 1st edition, 1944. The first biography of this great scientist and inventor. A hard to find copy of the first edition which covers most of the important experiments with motors, wireless telegraphy, and high voltage that he performed throughout his long career. 326 pages. Very Good condition. Scarce. \$45.00

TELEGRAPH-TELEPHONE

333. INTERNATIONAL TELECOMMUNICATION UNION; From Semaphore To Satellite . 1st edition, 1965. This large volume follows the rise in telecommunications from the telegraph through wireless telegraphy on up to the modern day satellite. Profusely illustrated with 100's of photos of early telephones, telegraph instruments, radios and radar equipment. The front blank endpaper has owner's stamp on it. 343 pages. Very Good condition. Uncommon. \$30.00

334. PALMER, W.T. AND CRUICKSHANK, W.; Outline Notes On Telephone Transmission Theory . 1st edition, 1935. This book was published as a helping guide for those interested in the study of telegraph and telegraph transmission line theory and applications. Even the Atlantic cable is discussed. Includes a a dust jacket. 165 pages. 69 illus. Very Good condition. Scarce. \$20.00

335. THOMPSON, SILVANUS P.; Elementary Lessons in Electricity and Magnetism . 4th edition, 1902. An exceptionally early textbook on the subject. Covered are these various areas: electrostatics, electromagnets, electrical measurement, the electric light, electric telegraphs and telephones. This 4th edition includes the determination of the true value of the Ohm, and is in nice condition. 638 pages. 297 illus. Good + condition. Scarce. \$25.00

TELEVISION

336. (MCGRAW-HILL TELEVISION SERIES); FINK, DONALD G.; Television Engineering . 1st edition, 1940. This book provides a technical and practical treatment of methods and equipment, image analysis, camera tubes, scanning beams, video applications and the receiver. It enabled the technical worker to make a transition from familiarity with radio engineering to familiarity with television engineering. Color television is also covered in depth 541 pages. 311 illus. Very Good condition. Scarce. \$25.00

337. (MCGRAW-HILL TELEVISION SERIES); WENTWORTH, JOHN W.; Color Television Engineering . 1st edition, 1955. The first book on color television, written on an engineering level. Color television standards are listed and the various circuits used in receiver construction are shown and discussed. The RCA CT-100 color receiver is included, as well as some color illustrations. A very nice copy of a hard to find title. 459 pages. 659 illus. Very Good condition. Scarce. \$35.00

338. APPLETON, VICTOR; Tom Swift And His Television Detector . 1st edition, 1933. The first juvenile book printed in the U.S. to deal entirely with television. 217 pages. Good + condition. Scarce. \$25.00

339. BARNARD, GEORGE P.; The Selenium Cell; Its Properties and Applications . 1st edition, 1930. A landmark volume on the early history, construction, properties, and theories discussing the action of light on selenium. Included are chapters on light-telephony and television. Contains an excellent bibliography at the end of each chapter with over 800 entries. The back cover is stained at the top. 331 pages. 258 illus. Good + condition. Rare. \$50.00

7
Television

340. BURNS, R.W.; British Television: The Formative Years . 1st edition, 1986. This is the most accurate book on British television that has ever been written. It is concerned with the development of home reception from 1922 to 1939, when the London station closed down for the war years. More than 900 references are given in the text, which is illus. with many photos & diagrams. IEE History Of Technology Series No. 7. 488 pages. Fine condition. Uncommon. Dust Jacket. \$75.00

341. CAMM, F. J.; Newnes Television and Shortwave Handbook . 1st edition, 1934. A fine copy of an excellent book which portrays television by both mechanical and electronic, or cathrode-ray TV. Includes a description on how to build your own scanning-disc TV. Contains many photos and illustrations of early apparatus. 256 pages. 61 photos. 169 illus. Very Good condition. Scarce. \$45.00

342. D'ALBE, E. E. FOURNIER; The Moon-Element: An Introduction To The Wonders Of Selenium . 1st edition, 1924. An important source book for mechanical television, surely used by Baird and Jenkins in their experiments with scanning disc TV. This rarely seen book also gives a complete history of selenium. 166 pages. 32 illus. Very Good condition. Rare. \$45.00

343. DINSDALE, ALFRED; Television (Seeing by Wire or Wireless) . 1st edition, 1926. The first book to be published in English devoted entirely to the subject of television. This scarce volume contains the earliest photos of television apparatus and also portrays the world's first photograph ever taken by television. A landmark book in the history of television!! 62 pages. 6 photos. 6 illus. Very Good condition. Very Rare. \$255.00

344. DUNLAP, ORRIN E.; The Outlook For Television . 1st edition, 1932. The romance and commercial possibilities of television beginning with a historic overview, one of the best I've seen, as this writer was very prolific during the 30's and 40's. Included is an excellent chronology, entitled: "The calendar of Television-Radio-Wireless". A copy of this should be on every TV historian's bookshelf! Nice D/J! 297 pages. Very Good condition. Rare. \$85.00

345. DUNLAP, ORRIN E. JR.; Understanding Television . 1st edition, 1948. Written by the author of The Outlook For Television, this book reveals the magic of television in a straightforward manner. Many photographs highlight the text, & a glossary and short bibliography provide additional information. Includes a torn dust jacket. From The Broadcast Pioneers Library. 128 pages. 40 illus. Very Good condition. Scarce. \$25.00

346. FINK, DONALD G. (EDITOR); Television Standards And Practices . 1st edition, 1943. This volume was compiled from the Proceedings Of The National System Television Committee (NTSC), on which are based the standards adopted in 1941 by the FCC for the commercial television broadcasting in the United States. It is a complete and authoritative examination into the television service. 405 pages. 115 illus. Very Good condition. Scarce. \$65.00

Television

347. HUBBELL, RICHARD; **Television: Programming & Production** . 1st edition, 1945. The purpose of this book is to provide a foundation for the techniques of television program production by analyzing the basic nature of TV, evaluating progress, and suggesting practical ways to improve techniques. In effect, it is a sequel to his earlier book, 4000 Years of Television. Includes a nicely illustrated dust jacket. 207 pages. 53 photos. 18 illus. Very Good condition. Scarce. \$30.00

348. LYTEL, ALLAN; **TV Picture Projection and Enlargement** . 1st edition, 1949. This book covers the technical development of optically enlarging the size of the TV screen. The principles of reflection, refraction and lenses are dealt with in an easy to read format. A chapter is devoted to various commercial TV receivers employing the projection method of enlarging the screen. Neat! 179 pages. 115 illus. Very Good condition. Scarce. Dust Jacket. \$20.00

349. MCGREGOR-MORRIS, J.T. & HENLEY, J.A.; **Cathode Ray Oscillography** . 1st edition, 1936. This book covers the theory, practice, operation, and applications of the cathode ray tube as applied in testing. An early book on the subject, included are many photos of early CRT's & their associated equipment. Designated as Volume II of Monographs On Electrical Engineering, it is complete in itself. 249 pages. 151 illus. Very Good condition. Scarce. \$40.00

350. MOSELEY, SYDNEY; **John Baird** . 1st edition, 1952. A seldom-seen biography which explores the romance and tragedy of the Pioneer of Television. An excellent history on early television, it includes his trip to America and eagerness to sell his system here. 256 pages. 11 photos. Very Good condition. Scarce. Dust Jacket. \$30.00

351. MOSELEY, SYDNEY A. AND CHAPPLE, BARTON H.J.; **Television - Today & Tomorrow** . 5th edition, 1940. This volume contains a 28 page chapter on the history of television, and is the first edition to concentrate solely on the cathode ray system. Big screen television, ultra-short wave transmission, and even color tv are covered in this book. 179 pages. 34 photos. 56 illus. Very Good condition. Rare. \$65.00

352. NATIONAL BROADCASTING CORP.; **NBC Television Tour: Seeing At A Distance** . 1st edition, 1939. A rarely seen booklet published by NBC for its television building at the World's Fair in 1939. Profusely illustrated with many photos I've never seen before of the display and layout of the building. There are even some shots of the inside of the RCA TV assembly lines, and a historical exhibit. 36 pages. 65 photos. Very Good condition. Rare. Softcover. \$95.00

353. PITTAZO, ERNEST M.; **TV And Film Production Data Book** . 1st edition, 1959. An extensive reference book intended for use by those working in fields such as commercial, theatrical, educational, and television. Many photos of equipment are displayed throughout the book. The dust jacket states that this book contains 198,000 words! All types of equipment are described, including various early video tape units. 448 pages. 132 illus. Fine condition. Rare. Dust Jacket. \$35.00

Television

354. **RCA MANUFACTURING COMPANY; Cathode-Ray Tubes and Allied Types .**
Unknown edition, 1935. This is RCA's Technical Series TS-2 manual on cathode-ray tubes. One of the first manuals on the subject, it demonstrates the theory, features, installation, application, and technical description of the early cathode-ray tubes. Profusely illustrated. 119 pages. 60 illus. Very Good condition. Scarce. Softcover. \$20.00

355. **VON ARDENNE, MANFRED; Television Reception .** 1st edition, 1936.
This is one of the first books dedicated to the cathode ray television receiver. It covers the construction, operation and theory of a CRT receiver for the reception of Ultra-shortwave television broadcasting. Contains many photos of television apparatus, and actual operating screens. A beautiful copy of a seldom seen title! 121 pages. 50 photos. 46 illus. Fine condition. Very Rare. \$175.00

356. **WATSON-WATT, R.A.; The Cathode Ray Oscillograph In Radio Research .** 1st edition, 1933. A rarely seen handbook demonstrating the techniques essential for efficient and thorough applications of the cathode ray tube both in radio research and its first use in navigation and direction finding. Written by the father of radar, this is the first book to discuss these areas in such detail. This is a later printing from 1943. 290 pages. 17 photos. 113 illus. Good + condition. Rare. Softcover. \$45.00

357. **WILSON, J.C.; Television Engineering .** 1st edition, 1937. An early treatise on the various systems of television transmitting and receiving. A fine chapter discusses the history of television, while others cover color and stereo TV. A very nice copy of a seldom seen title. 492 pages. 50 photos. 226 illus. Very Good condition. Scarce. \$65.00

358. **YATES, RAYMOND FRANCIS; ABC Of Television Or Seeing By Radio .** 1st edition, 1929. A complete and comprehensive treatise outlining the theory, construction, and operation of television receivers. This book includes a brief history and a full description of scanning disc tv as well as the earliest full portrayal of cathode ray television. An excellent copy of a important title. 210 pages. 21 photos. 78 illus. Very Good condition. Rare. \$155.00

359. **ZWORYKIN, V., WILSON, E.D.; Photocells And Their Application .** 2nd edition, 1932. This very important volume was originally published in 1930, the first book-length treatise done on the subject. Areas covered include the history, method of production, selenium, scanning disc television, and the future. 331 pages. 180 illus. Very Good condition. Scarce. \$45.00

360. **ZWORYKIN, V.K. AND MORTON, G.A.; Television: The Electronics Of Image Transmission .** 1st edition, 1940. One of the 1st books about electronic television, a comprehensive view on the subject. RCA's engineering staff worked hand in hand with the authors reinforcing the information with many drawings and photos. An extra nice copy of this important book. 646 pages. 509 illus. Very Good condition. Rare. \$45.00

VACUUM TUBES

361. **ARGUIMBAU, LAWRENCE B.; Vacuum Tube Circuits .** 1st edition, 1951. This book is intended for those who have studied the physics of vacuum tubes and would like to use that knowledge in designing and building various circuits. Audio power amplifiers are discussed in detail, as well as feedback and RF circuit arrangements. Ex-Library. 668 pages. 548 illus. Good + condition. Scarce. \$35.00

362. **BABANI, BERNARD B.; International Radio Tube Encyclopedia .** 1st edition, 1949. This ultimate encyclopedia contains more than 12,000 tube references. Comprehensive data on receiving, transmitting, cathode ray, thyratrons & tuning indicators are included in this "Mother Of All Tube Manuals". This edition even contains a section titled: "Rare tubes and their equivalents". The cover and first few pages are stained. 410 pages. Good condition. Rare. \$95.00

363. **BRANS, P.H.; Radio Tube Vade Mecum 1946 .** 6th edition, 1946. This is the international radio tube bible, endeavouring to describe the data and characteristics for every known type of valve in the world. A highly sought after reference volume, this book rarely comes on the market. 268 pages. Good + condition. Very Rare. Softcover. \$125.00

364. **CHAFFEE, E. LEON; Theory Of Thermionic Vacuum Tubes .** 1st edition, 1933. One of the best textbooks ever written on the theory and application of vacuum tubes. The fundamental theory of operation in all types of circuits is discussed, as well as a variety of construction details. 652 pages. 7 photos. 347 illus. Good + condition. Uncommon. \$30.00

365. **DART, H.F.; Vacuum-Tube Testing and Design .** 1st edition, 1939. Broken down into two sections, the first part covers the various methods of testing vacuum tubes, including the test circuits, characteristic curves, load & power output. The last section looks at the principles of vacuum tube design and the factors controlling it, including 2 and three electrode tubes. 133 pages. 53 illus. Very Good condition. Scarce. \$30.00

366. **EASTMAN, AUSTIN V.; Fundamentals Of Vacuum Tubes .** 3rd edition, 1949. This inclusive text encompasses thermionic tubes, RF & AF amplifiers, their associated circuits, theory and applications. Accented with many This editon provides extensive changes and additions to the chapter on audio frequency amplifiers. 644 pages. Very Good condition. Uncommon. \$25.00

367. **GEPPERT, DONOVAN V.; Basic Electron Tubes .** 1st edition, 1951. This book gives a satisfying treatment of the physics and mathematics of the electron tube. Each chapter is devoted to one specific type of electron tube, ie; Diodes, High-Vacuum triodes, Pentodes & Tetrodes, Beam Power tubes & special purpose types. Each chapter contains its own bibliographic references. One of the McGrawHill Engineering series 332 pages. 135 illus. Very Good condition. Scarce. \$35.00

Vacuum Tubes

368. GEWARTOWSKI, JAMES W. AND WATSON, HUGH A.; **Principles of Electron Tubes**. 1st edition, 1965. An introductory yet comprehensive study of modern tubes emphasizing basic physical principles, and giving a clear picture of how electron-field interactions lead to useful device performance. Of special value to engineers concerned with the development or utilization of electron tubes. (The Bell Laboratories Series) 655 pages. 454 illus. Fine condition. Scarce. Dust Jacket. \$45.00

369. GOLDSMITH, ALFRED AND OTHERS; **Electron Tubes- RCA Laboratories**. 1st edition, 1949. This is Volume I and II of the RCA Technical Book Series, outlining the period from 1935 to 1948. This set of books contains a wealth of information on the theory and application of all types of vacuum tubes, from early miniature tubes to the cathode ray and even the sniperscope! Includes an extensive 20 page bibliography from 1919-1948 928 pages. Very Good condition. Scarce. \$80.00

370. MOYER, JAMES A. AND WOSTREL, JOHN F.; **Radio Receiving and Television Tubes**. 3rd edition, 1936. The essential principles underlying the operation of vacuum tubes are explained, as well as the practical applications. A variety of vacuum tubes. A hard to find title, this is the first copy we've had. The testing and installation of vacuum tubes is extensively covered. The front blank endpaper is torn. 635 pages. 487 illus. Good + condition. Rare. \$45.00

371. OWENS, JAMES B. AND SANBORN, PAUL; **Electron Tubes At Work**. 1st edition, 1964. From basic voltage amplifiers to complex power-supply circuits, this is a clear, logical presentation of the application of electron tubes in circuits which are common to every piece of electronic equipment. Written in an effective format, "TutorText" this is easily one of the best texts describing how the electron tube works. Some pencil notes. 557 pages. 279 illus. Very Good condition. Scarce. Dust Jacket. \$30.00

372. PREISMAN, ALBERT; **Graphical Constructions For Vacuum Tube Circuits**. 1st edition, 1943. A fundamental book designed to fill a gap, using curves to produce solutions for vacuum tubes using non-linear circuits. Many graphs, circuit diagrams & formulas are displayed within the confines of this volume. Includes a 67 page chapter on various types of amplifier circuits. An excellent book for the audio amplifier designer. 237 pages. 124 illus. Very Good condition. Scarce. \$65.00

373. RADIO CORP. OF AMERICA; **RCA Electron Tube Handbooks HB-3**. 1st edition, 1960. A collection of five loose-leaf bound volumes consisting of 2 on Receiving tubes, 1 on Transmitting tubes, 1 on Special Purpose and 1 Cathode Ray Tubes. The best set of RCA tube manuals available! This set is in great condition and includes data sheets dated as late as May, 1960. Very desirable for the glass audio freaks! 1500 pages. Very Good condition. Scarce. \$275.00

374. RCA TUBE DEPARTMENT; **RCA Transmitting Tube Manual**. 6th edition, 1965. This is RCA's type TT5 tube manual, which contains a vast amount of information on the technical data of most transmitting tubes. 257 pages. Very Good condition. Uncommon. Softcover. \$25.00

Vacuum Tubes

375. REICH, HERBERT J.; **Theory And Applications Of Electron Tubes** .
1st edition, 1939. Primarily a text for college students, this book should
also prove valuable to engineers as a reference work. Its foundation is in
the fundamental principles and analysis of electron tubes & their
applications. Contains much on voltage, current and audio power
amplifiers. Includes hundreds of illustrations and diagrams. 670 pages.
Very Good condition. Uncommon. \$25.00

376. SCOTT-TAGGART, JOHN; **Elementary Text-Book on Wireless Vacuum Tubes**
. 4th edition, 1922. This most noted book on vacuum tubes contains an
entire chapter on the Fleming valve! Other interesting chapters are The
Three-Electrode Vacuum Tube, Regenerative Receiving, Continuous Wave
Circuits, Vacuum Tube Transmitters and Radio-Telephony Systems. The front
blank endpaper is missing. Knight's List # 267 232 pages. 136 illus. Good
+ condition. Scarce. \$45.00

377. SEELEY, SAMUEL; **Electron-Tube Circuits** . 1st edition, 1950. This
comprehensive volume developed from a series of courses taught by the
author on tube circuits used during WWII. It covers fundamental properties
and applications, with an emphasis on audio amplification as well as a
variety of other areas including radar. 529 pages. 435 illus. Very Good
condition. Scarce. \$30.00

378. SPANGENBERG, KARL R.; **Vacuum Tubes** . 1st edition, 1948. An
excellent reference source for experimenters & designers, this book
incorporates basic relations, physical data and vacuum tube theory. Many
diagrams accent the text. One of the much sought after volumes from the
McGraw-Hill Engineering Series. 860 pages. 395 illus. Very Good condition.
Scarce. \$75.00

379. SPANGENBERG, KARL R.; **Fundamentals Of Electron Devices** . 1st
edition, 1957. The physics of electron devices showing comparisons of
tubes & transistors and their operating characteristics. An in-depth
chronology of devices is included from Thales to Shockley, as well as an
extensive 11-page bibliography. From the McGraw-Hill Electronic
Engineering Series. 505 pages. 237 illus. Very Good condition. Scarce.
\$45.00

380. TERMAN, FREDERICK E.; **Electronic and Radio Engineering** . 4th
edition, 1955. This book presents a comprehensive treatment of important
vacuum tube and radio phenomena. Chapters include information on circuit
theory, voltage and power amplifiers, feedback, and distortion. A "must
have" for the vacuum tube circuit designer. 1078 pages. Very Good
condition. Uncommon. Dust Jacket. \$35.00

381. TOMER, ROBERT B.; **Getting The Most Out of Vacuum Tubes** . 1st
edition, 1960. This book sheds light on little known information
concerning the use of vacuum tubes, such as various types of failures,
both degenerative and catastrophic, as well as characteristic variables and
selection of premium types. Predicting tube performance, using tube
testers and methods for lengthening tube life is also covered. Nice! 160
pages. 28 illus. Fine condition. Scarce. Dust Jacket. \$40.00

Vacuum Tubes

382. TYNE, GERALD F. J.; *Saga Of The Vacuum Tube* . 2nd edition, 1987.
This is the first printing of the most important work on the history of
the vacuum tube. Profusely illustrated with many photos of common and very
rare tubes, this has become the collector's standard when seeking info on
an unusual glass piece. 494 pages. Fine condition. Common. Softcover.\$30.00

383. VALLEY, GEORGE E. AND WALLMAN, HENRY; *Vacuum Tube Amplifiers* .
1st edition, 1948. THE FAMOUS BOOK on vacuum tube amplifiers, discussing
the principles of circuit design used in linear and non-linear amplifiers.
It represents a compilation of work done by many in cooperative research,
covering the subject extensively. 743 pages. 475 illus. Very Good
condition. Scarce. \$110.00

384. VAN DER BIJL, H.J.; *The Thermionic Vacuum Tube* . 1st edition,
1920. This is the first thorough treatise done on the vacuum tube. All
aspects are covered, including its use as an amplifier, oscillator,
modulator, and detector. 391 pages. 232 illus. Very Good condition. Scarce.
\$30.00

385. WESTERN ELECTRIC CO.; *Western Electric Vacuum Tubes* . 1st edition,
1936. A rarely seen limited edition numbered (#570) and registered with
W.E. containing all the specs for their vacuum tubes. The tubes covered
include 101F, 102D, 205D, 212E, 252A, 275A, 285A, 300A & 305A. The cover
has a very nice embossed & color illus of a vacuum tube. The 1st page is
damp-stained while others have minor wrinkling. Superare!!!!!! 370 pages.
300 illus. Good condition. Extremely Rare. \$345.00

WIRELESS BOOKS<1920

386. (PERIODICAL); *McClure's Magazine Volume XVII- Nov. 1901 To October 1902*
. 1st edition, 1901. A bound volume of McClure's Monthly
Magazine, the highlight is an excellent 3 pg article in the April issue :
"Messages To Mid-Ocean, Marconi's Own Story of His Latest Triumph." The
report was recorded by Herbert McClure and describes in Marconi's own
words, the experiments aboard the S.S. Philadelphia, which proved his
transatlantic signals. 592 pages. Very Good condition. Rare. \$55.00

387. BANGAY, R. D.; *The Elementary Principles of Wireless Telegraphy* .
2nd edition, 1917. A complete treatise including all facets of wireless
transmitting and receiving, written in two parts. Part one covers
receivers and aerials, while part two concentrates on spark transmitters.
Knight's List # 16 443 pages. 302 illus. Very Good condition. Scarce.\$35.00

388. BATCHER, RALPH; *Prepared Radio Measurements* . 1st edition, 1921.
A Wireless Press edition, companion to the other popular wireless books,
including Bucher's Practical Wireless Telegraphy etc. It was written to
remove the guesswork from determining electrical and geometrical constants
for radio instruments and appliances. Contains many self-computing charts.
Knight's List # 19 138 pages. Very Good condition. Scarce. \$30.00

Wireless Books<1920

389. COLLINS, FRANCIS A.; **The Wireless Man; His Work and Adventures On Land And Sea** . 1st edition, 1912. A very informative work on the subject of wireless, written primarily for the layman, but containing useful hints for the wireless operator. Illustrated with many close up photos of early equipment, and stations, mostly United Wireless Co. and Marconi Wireless Co.. Knight List # 53 251 pages. 32 photos. Very Good condition. Rare. \$45.00

390. EDELMAN, PHILIP E.; **Experimental Wireless Stations** . 3rd edition, 1920. The theory, design, construction and operation of experimental wireless stations including wireless telephony and quenched spark systems are well discussed and illustrated. Both receivers and transmitters are covered, explaining crystal and tube circuits. Knight's List # 82 392 pages. 167 illus. Very Good condition. Scarce. \$35.00

391. FLEMING, J.A.; **An Elementary Manual of Radiotelegraphy and Radiotelephony** . 1st edition, 1908. This is an abridged version of Fleming's famous book; Electric Wave Telegraphy. Written for the experimenter, student, and wireless operator, it is a much sought after first edition, containing many photos of early equipment and stations. The front and rear covers are spotted, otherwise this is a nice tight copy. Knight List # 99 340 pages. Good + condition. Rare. \$85.00

392. FLEMING, JOHN AMBROSE; **The Principles of Electric Wave Telegraphy and Telephony** . 3rd edition, 1916. This famous work of Fleming contains all knowledge of the art of wireless up to WWI, including 248 pages on high-frequency currents and oscillations. There are 490 photos and illustrations, with many showing early stations and wireless equipment. Knight List # 96 911 pages. Very Good condition. Very Rare. \$155.00

393. FLEMING, JOHN AMBROSE; **Waves & Ripples In Water, Air & Ether** . 1st edition, 1902. This book explains the practical use of ether waves in wireless telegraphy, and gives an experimental treatment of such. Helmholtz's and Hertz's theories are well explained in a non - mathematical account. Written by one of the most important researchers in the history of wireless, this is a nice copy. Knight's List # 100 299 pages. 84 illus. Very Good condition. Rare. \$85.00

394. FLEMING, JOHN AMBROSE; **The Wonders of Wireless Telegraphy** . 2nd edition, 1919. A much sought-after book which contains a non-technical description of all phases of wireless telegraphy. Includes some interesting illus. and photos, such as a frog's leg receiver, together with a schematic diagram, and early wireless apparatus. Knight's List # 97 280 pages. 54 illus. Very Good condition. Scarce. \$70.00

395. FRANKLIN, WILLIAM S.; **Electric Waves** . 1st edition, 1909. Intended primarily as an advanced course in AC theory, this rarely seen treatise leads one into the fundamentals of electromagnetic wave theory, antenna use and wireless telegraphy, even demonstrating an early Branly coherer. Slight wear at the top of the spine. Knight's List # 104 315 pages. 225 illus. Very Good condition. Rare. \$75.00

Wireless Books<1920

396. GERNSBACK, S.; LESCARBOURA, A.; SECOR, H. W.; Wireless Course .
2nd edition, 1922. This wireless course consists of 20 lessons, each
covering a different area of instruction. Included are spark transmitters,
crystal receivers, wireless telephony and the history of wireless,
highlighted by many photos and illustrations of early apparatus. Knight's
List # 108 160 pages. Very Good condition. Rare. \$25.00

397. GOLDSMITH, ALFRED N.; Radio Telephony . 1st edition, 1918. An
excellent treatise on the subject of wireless telephony. This early work
covers the Poulsen Arc, Alexanderson, and DeForest systems as well as many
others. Profusely illustrated with over 100 photos of early wireless
apparatus. Knight's List # 111 247 pages. 110 photos. 116 illus. Good +
condition. Uncommon. \$30.00

398. HAWKHEAD, J.C. & DOWSETT, H.M.; Handbook Of Technical Instruction For
Wireless Telegraphists . 2nd edition, 1918. An excellent book
covering all phases of wireless telegraphy used in commercial
applications. Illustrated with Marconi gear, complete instructions are
given in the use of their equipment. This book includes most of the
information needed for Marconi operators. Knight's List # 132 310 pages.
242 illus. Very Good condition. Rare. \$75.00

399. HERTZ, HEINRICH; Electric Waves . 1st edition, 1893. Being
researches on the propagation of electric action with finite velocity
through space. This epochal work by Hertz paved the way for Lodge and
Marconi to discover practical wireless telegraphy. Exceedingly rare, for
the advanced collector; this is a very nice copy! Knight List # 138 278
pages. 40 illus. Very Good condition. Extremely Rare. \$375.00

400. HOYLE, BERTRAM; Standard Tables And Equations In Radio Telegraphy
. 1st edition, 1919. This book extends the scope of the number of
equations and tables which were given in the "Marconi Yearbook Of Wireless
Telegraphy", adding numerous tables and equations facilitating calculations
occurring in the subject of wireless telegraphy. Knight's List # 145 159
pages. Very Good condition. Scarce. \$25.00

401. KENNELLY, A.E.; Wireless Telegraphy . 1st edition, 1906. An
excellent well-known treatise on wireless telegraphy, as well as primitive
forms of wireless telephony. Many illustrations of early equipment are
shown. A 1st edition is rarely found, especially in such fine condition.
From the IEEE Library. Knight List # 153 211 pages. 66 illus. Very Good
condition. Rare. \$125.00

402. MEYER, FRED L.; Twentieth Century Manual Of Railway Commercial And
Wireless Telegraphy . 7th edition, 1914. The scope of this book
is mainly to instruct telegraph operators in the everyday business of
running a telegraph office. The basic theory in electricity is presented,
but the main theme concerns the forms and procedure of commercial and
railway telegraphy. A 35 page chapter on wireless covers rules, regs, &
Marconi blanks. Knight List # 198 305 pages. 29 illus. Very Good
condition. Scarce. \$35.00

Wireless Books<1920

403. MIESSNER, B. F.; Radiodynamics . 1st edition, 1917. The history, methods, and apparatus used in controlling distant mechanisms without direct connection such as torpedos, boats and dirigibles. Some early equipment including receivers, detectors and transmitters are pictured. The work of Tesla is covered in depth, along with some photos of his wireless boat. Cover is somewhat stained 206 pages. 112 illus. Good + condition. Rare. \$55.00

404. MITTELL, B.E.G.; Continuous Wave Wireless Telegraphy . 1st edition, 1922. An excellent introduction to the subject of wireless telegraphy from the engineer's point-of-view with special reference to the principles, apparatus, and operation of continuous wave systems. A seldom seen volume on this subject, the cover is stained. Knight's List # 201 114 pages. 58 illus. Good + condition. Scarce. \$30.00

405. PIERCE, GEORGE W.; Principles of Wireless Telegraphy . 1st edition, 1910. An elementary book presenting electric waves and their application to wireless telegraphy. Contains many photos and illustrations of early wireless apparatus, especially detectors and spark gap apparatus. Knight's List # 228 350 pages. 235 illus. Very Good condition. Rare. \$60.00

406. PIERCE, GEORGE W.; Electric Oscillations and Electric Waves . 1st edition, 1920. This book presents a mathematical treatment of the fundamentals of the theory of electric oscillations and electric waves as applicable to telephony and radiotelegraphy. Knight List # 227 517 pages. 100 illus. Very Good condition. Common. \$45.00

407. ROBISON, CAPT. S.S.; Manual Of Wireless Telegraphy 1911 . 2nd edition, 1911. Originally designed for the use of the naval electrician, the manual provides an in-depth description of the art of wireless telegraphy before WWI. This is a rarely seen copy of the second edition of a most important book, explaining in detail the theory and application of receiving and transmitting circuits. Knight's List # 252 212 pages. 112 illus. Very Good condition. Rare. \$85.00

408. SCOTT-TAGGART, JOHN; Thermionic Vacuum Tubes In Radio Telegraphy And Telephony . 2nd edition, 1924. Covering all aspects of the vacuum tube, this is one of the earliest treatises written on the subject. Profusely illustrated, both receiving and CW transmitting tubes and their associated circuits are well defined. There is even an entire chapter devoted to the 2-element Fleming valve! Knight's List # 266 470 pages. 388 illus. Good + condition. Scarce. \$55.00

409. STONE, ELLERY W.; Elements of Radiotelegraphy . 1st edition, 1922. A richly illustrated book covering the early history and development of wireless up to post WWI. This work contains photos and descriptions of various early systems, such as the Marconi, Fessenden, Telefunken, Kilbourne and Clark, and the Poulsen Arc Transmitter. Knight's List # 285 267 pages. 33 photos. 125 illus. Very Good condition. Scarce. \$35.00

Wireless Books<1920

410. STORY, A.T.; *The Story of Wireless Telegraphy* . 1st edition, 1904.
A complete history and practical application of wireless telegraphy, including anticipations of radio telephony and the future of wireless. A very desirable book for the radio historian. The cover is nicely illustrated with gold wireless towers. Knight List # 286 186 pages. 56 illus. Very Good condition. Rare. \$95.00

411. TREVERT, EDWARD; *The A-B-C of Wireless Telegraphy* . 2nd edition, 1902. An excellent early treatise on wireless telegraphy embracing theory, methods of operation, and how to build various pieces of wireless apparatus. An extra nice copy of the first printing. Knight's List # 303 116 pages. 22 illus. Very Good condition. Rare. \$85.00

412. VERRILL, A. HYATT; *Harper's Wireless Book* . 1st edition, 1913.
This early work on wireless concentrated on informing young boys of the new art. An excellent chapter on construction is included, as well as instructions on the theory & operation of wireless. Knight's List # 319 184 pages. 129 illus. Very Good condition. Uncommon. \$25.00

413. WALTER, L.H.; *Directive Wireless Telegraphy* . 1st edition, 1921.
The theory and practice of directive wireless transmission and reception applied to their signalling and determination of direction and position on land, at sea, and in the air. One of the first books printed on the subject, including a 3 page bibliography at the rear. A seldom seen title! Knight List # 322 124 pages. 57 illus. Very Good condition. Rare. \$55.00

414. WILLIS, S.J.; *Elementary Mathematics And Their Applications to Wireless Telegraphy* . 1st edition, 1917. This book comprises a revised and enlarged arrangement of the Instructional Articles printed in the Wireless World from September, 1915 to March, 1917. Published by The Wireless Press Ltd., Marconi House, Strand. Knight List # 328 182 pages. 120 illus. Very Good condition. Scarce. \$25.00

415. ZENNECK, J; *Elektromagnetische Schwingungen und Drahtlose Telegraphie* . 1st edition, 1905. This massive treatise on drahtlose (Wireless) telegraphy is definitely the most thorough treatment on the art up to its day. It covers the various systems in use at the time, including DeForest, Marconi and Braun. At the rear of the book is an extensive reference section containing 377 entries relating to the text. Nice!! Knight List #336 1019 pages. 802 illus. Good + condition. Extremely Rare. \$375.00

X-RAYS

416. COLWELL, HECTOR A. AND WALKLEY, CECIL P.G.; *An Introduction to The Study of X-Rays and Radium* . 1st edition, 1926. This book is intended as an preparatory text in the fields of X-Rays and radium. X-Ray tubes, induction coils and atomic theory are all explained in non-mathematical language. This book has been nibbled on along the edges of the binding and some of the pages, not affecting the text. 203 pages. 37 illus. condition. Scarce. \$20.00

X-Rays

417. HOEBER, PAUL (PUBLISHER); **United States Army X-Ray Manual** . 2nd edition, 1920. Prepared under the direction of the Surgeon General to serve as a guide to roentgenologists during WWI, this manual contains many photos of early X-Ray apparatus and actual X-Rays of patients. 506 pages. 219 illus. Good + condition. Scarce. \$40.00

418. JERMAN, EDWARD C.; **Modern X-Ray Technic** . 1st edition, 1928. The author was a teacher in X-Ray technology over a period of many years. He wrote this volume as an instruction manual for developing a systematic method of procedure in the field. Profusely illustrated with many photos and plates of X-Ray tubes and apparatus. 260 pages. Very Good condition. Scarce. \$45.00

419. KAYE, G.W.C.; **X Rays** . 1st edition, 1914. An introduction to the study of X-Rays with an account of the present day methods, and development of both the theory and apparatus used in the art. Includes chapters on cathode rays and the discovery of X-Rays, as well as a short interview with Roentgen & the production of high vacua. The first & last few pages are stained along the margin. 252 pages. 97 illus. Good + condition. Rare. \$65.00

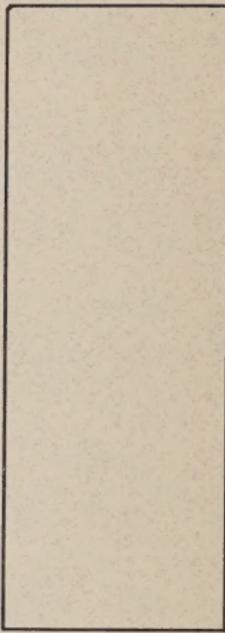
420. KNOX, ROBERT AND LEVITT, WALTER M.; **A Textbook of X-Ray Therapeutics** . 1st edition, 1932. This is an extensive journal which covers the treatment of disease by X-Ray radiation. It contains many photos and illustrations of early X-Ray apparatus as well as the patients involved. Includes an extensive 6 page bibliography. 250 pages. 36 photos. 94 illus. Very Good condition. Rare. \$55.00

421. THOMPSON, EDWARD P.; **Roentgen Rays and Phenomena of the Anode and Cathode** . 1st edition, 1896. A historic volume published at the dawn of the discovery of the X-Ray. This rarely seen book was printed in August, 1896, just months after the disclosure by Rontgen. Includes many photos and diagrams of early X-Ray apparatus, as well as images. There are some great illustrated ads at the back of the book. The Spine is worn through in a few spots. 190 pages. 45 photos. 60 illus. Good + condition. Extremely Rare. \$375.00

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